



U.S. Energy Information  
Administration

# Petroleum Supply Monthly

with data for January 2017

March 2017



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## Preface

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The Petroleum Supply Monthly (PSM) is the monthly component of a series of three publications produced by the Office of Petroleum and Biofuels Statistics of the U.S. Energy Information Administration (EIA). The other two components are the Weekly Petroleum Status Report (WPSR) and the Petroleum Supply Annual (PSA). Together these publications present comprehensive petroleum and biofuel supply data on a weekly, monthly and annual basis.

Data presented in the PSM describe the supply and disposition of petroleum products in the United States and major U.S. geographic regions. The data series describe production, imports and exports, inter-Petroleum Administration for Defense (PAD) District movements, and inventories by the primary suppliers of petroleum products in the United States (50 States and the District of Columbia). The reporting universe includes those petroleum sectors in primary supply. Included are: petroleum refiners, motor gasoline blenders, oxygenate producers, operators of natural gas processing plants and fractionators, inter-PAD District transporters, importers, and major inventory holders of crude oil, petroleum products, and biofuels. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

### Scope of data

The PSM presents statistics for the most current month available as well as year-to-date. In most cases, the statistics are presented for several geographic areas - - the United States (50 States and the District of Columbia), five PAD Districts, and 12 Refining Districts. At the U.S. and PAD District levels, the total volume and the daily rate of activities are presented. The statistics are developed from monthly survey forms submitted by respondents to the EIA and from data provided from other sources including federal and state agencies.

### Sections

- U.S. supply and disposition of crude oil, petroleum products, and biofuels
- Regional supply and disposition of crude oil, petroleum products, and biofuels
- Crude oil supply and disposition and production by state
- Natural Gas Processing
- Refinery Operations
- Imports of residual fuel oil by state of entry
- Imports by PADD
- Imports by country of origin
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**Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January 2017**  
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>	
<b>Crude Oil<sup>4</sup></b> .....	<b>273,890</b>	--	--	<b>261,497</b>	<b>7,876</b>	<b>20,124</b>	<b>500,013</b>	<b>23,126</b>	<b>0</b>	<b>1,199,538</b>
<b>Natural Gas Plant Liquids and Liquefied</b>										
<b>Refinery Gases</b> .....	<b>104,309</b>	<b>-684</b>	<b>10,955</b>	<b>8,787</b>	--	<b>-34,381</b>	<b>20,141</b>	<b>43,449</b>	<b>94,158</b>	<b>169,085</b>
Pentanes Plus .....	12,352	-684	--	635	--	-485	4,475	5,397	2,916	24,547
Liquefied Petroleum Gases .....	91,957	--	10,955	8,152	--	-33,896	15,666	38,052	91,242	144,538
Ethane/Ethylene .....	38,118	--	85	--	--	-1,895	--	4,186	35,912	52,110
Propane/Propylene .....	34,989	--	17,486	7,504	--	-24,654	--	32,323	52,310	59,442
Normal Butane/Butylene .....	9,708	--	-6,320	348	--	-7,315	9,155	1,428	468	24,893
Isobutane/Isobutylene .....	9,142	--	-296	300	--	-32	6,511	115	2,552	8,093
<b>Other Liquids</b> .....	--	<b>36,738</b>	--	<b>40,847</b>	<b>6,207</b>	<b>32,711</b>	<b>35,061</b>	<b>16,261</b>	<b>-241</b>	<b>350,817</b>
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons .....	--	36,742	--	1,364	4,345	3,092	34,373	4,986	0	31,494
Hydrogen .....	--	--	--	--	6,364	--	6,364	--	0	--
Oxygenates (excluding Fuel Ethanol) .....	--	2,297	--	418	-545	52	76	2,042	0	1,529
Renewable Fuels (including Fuel Ethanol) ...	--	34,445	--	908	-1,475	3,040	27,894	2,944	0	29,948
Fuel Ethanol <sup>5</sup> .....	--	32,241	--	394	-513	3,102	26,119	2,901	0	22,633
Renewable Fuels Except Fuel Ethanol .....	--	2,204	--	514	-962	-62	1,775	43	0	7,315
Other Hydrocarbons .....	--	--	--	38	1	0	39	--	0	17
Unfinished Oils .....	--	--	--	20,506	--	7,180	5,671	7,888	-233	87,762
Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup> .....	--	-4	--	18,977	1,862	22,438	-4,990	3,387	0	231,551
Reformulated .....	--	--	--	6,481	7,546	3,395	10,621	11	0	55,544
Conventional .....	--	-4	--	12,496	-5,684	19,043	-15,611	3,376	0	176,007
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	1	7	--	-8	10
<b>Finished Petroleum Products</b> .....	--	<b>95</b>	<b>579,122</b>	<b>20,503</b>	<b>-240</b>	<b>3,551</b>	--	<b>93,591</b>	<b>502,338</b>	<b>333,222</b>
Finished Motor Gasoline .....	--	95	288,811	1,034	-1,349	-114	--	25,119	263,585	28,496
Reformulated .....	--	--	93,893	--	-8,064	8	--	--	85,821	55
Conventional .....	--	95	194,918	1,034	6,714	-122	--	25,119	177,764	28,441
Finished Aviation Gasoline .....	--	--	309	2	--	24	--	--	287	1,018
Kerosene-Type Jet Fuel .....	--	--	50,077	4,351	--	-376	--	5,406	49,398	42,400
Kerosene .....	--	--	587	--	--	107	--	56	424	2,368
Distillate Fuel Oil <sup>5</sup> .....	--	--	148,701	6,328	1,109	3,481	--	35,439	117,218	168,937
15 ppm sulfur and under .....	--	--	137,842	4,592	1,109	4,264	--	29,357	109,922	147,284
Greater than 15 ppm to 500 ppm sulfur .....	--	--	4,100	42	--	-133	--	4,152	123	8,689
Greater than 500 ppm sulfur .....	--	--	6,759	1,694	--	-650	--	1,930	7,173	12,964
Residual Fuel Oil <sup>6</sup> .....	--	--	14,673	5,453	--	-1,086	--	6,956	14,256	40,457
Less than 0.31 percent sulfur .....	--	--	1,643	250	--	153	--	NA	NA	3,624
0.31 to 1.00 percent sulfur .....	--	--	2,008	267	--	-668	--	NA	NA	8,404
Greater than 1.00 percent sulfur .....	--	--	11,022	4,936	--	-571	--	NA	NA	28,423
Petrochemical Feedstocks .....	--	--	9,235	646	--	-72	--	--	9,953	3,168
Naphtha for Petro. Feed. Use .....	--	--	6,470	552	--	199	--	--	6,823	2,210
Other Oils for Petro. Feed. Use .....	--	--	2,765	94	--	-271	--	--	3,130	958
Special Naphthas .....	--	--	1,020	511	--	17	--	--	1,514	1,235
Lubricants .....	--	--	5,082	1,288	--	-739	--	3,854	3,255	11,636
Waxes .....	--	--	155	81	--	25	--	108	103	696
Petroleum Coke .....	--	--	28,715	196	--	126	--	16,001	12,784	7,109
Marketable .....	--	--	21,561	196	--	126	--	16,001	5,630	7,109
Catalyst .....	--	--	7,154	--	--	--	--	--	7,154	--
Asphalt and Road Oil .....	--	--	7,964	612	--	2,117	--	517	5,942	24,983
Still Gas .....	--	--	20,839	--	--	--	--	--	20,839	--
Miscellaneous Products .....	--	--	2,954	1	--	41	--	135	2,779	719
<b>Total</b> .....	<b>378,199</b>	<b>36,149</b>	<b>590,077</b>	<b>331,634</b>	<b>13,843</b>	<b>22,005</b>	<b>555,215</b>	<b>176,427</b>	<b>596,255</b>	<b>2,052,662</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

**Table 2. U.S. Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-January 2017**  
(Thousand Barrels)

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<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b> .....	<b>104,309</b>	<b>-684</b>	<b>10,955</b>	<b>8,787</b>	--	<b>-34,381</b>	<b>20,141</b>	<b>43,449</b>	<b>94,158</b>	<b>169,085</b>
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Propane/Propylene .....	34,989	--	17,486	7,504	--	-24,654	--	32,323	52,310	59,442
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Isobutane/Isobutylene .....	9,142	--	-296	300	--	-32	6,511	115	2,552	8,093
<b>Other Liquids</b> .....	--	<b>36,738</b>	--	<b>40,847</b>	<b>6,207</b>	<b>32,711</b>	<b>35,061</b>	<b>16,261</b>	<b>-241</b>	<b>350,817</b>
Hydrogen/Oxygenates/Renewables/ .....	--	36,742	--	1,364	4,345	3,092	34,373	4,986	0	31,494
Other Hydrocarbons .....	--	--	--	--	6,364	--	6,364	--	0	--
Hydrogen .....	--	--	--	--	-545	52	76	2,042	0	1,529
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Renewable Fuels (including Fuel Ethanol) .....	--	34,445	--	908	--	--	--	--	0	22,633
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Renewable Fuels Except Fuel Ethanol .....	--	2,204	--	514	-962	-62	1,775	43	0	17
Other Hydrocarbons .....	--	--	--	38	1	0	39	--	0	87,762
Unfinished Oils .....	--	--	--	20,506	--	7,180	5,671	7,888	-233	231,551
Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup> .....	--	-4	--	18,977	1,862	22,438	-4,990	3,387	0	55,544
Reformulated .....	--	--	--	6,481	7,546	3,395	10,621	11	0	176,007
Conventional .....	--	-4	--	12,496	-5,684	19,043	-15,611	3,376	0	10
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	1	7	--	-8	
<b>Finished Petroleum Products</b> .....	--	<b>95</b>	<b>579,122</b>	<b>20,503</b>	<b>-240</b>	<b>3,551</b>	--	<b>93,591</b>	<b>502,338</b>	<b>333,222</b>
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Reformulated .....	--	--	93,893	--	-8,064	8	--	--	85,821	55
Conventional .....	--	95	194,918	1,034	6,714	-122	--	25,119	177,764	28,441
Finished Aviation Gasoline .....	--	--	309	2	--	24	--	--	287	1,018
Kerosene-Type Jet Fuel .....	--	--	50,077	4,351	--	-376	--	5,406	49,398	42,400
Kerosene .....	--	--	587	--	--	107	--	56	424	2,368
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15 ppm sulfur and under .....	--	--	137,842	4,592	1,109	4,264	--	29,357	109,922	147,284
Greater than 15 ppm to 500 ppm sulfur .....	--	--	4,100	42	--	-133	--	4,152	123	8,689
Greater than 500 ppm sulfur .....	--	--	6,759	1,694	--	-650	--	1,930	7,173	12,964
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Greater than 1.00 percent sulfur .....	--	--	11,022	4,936	--	-571	--	NA	NA	28,423
Petrochemical Feedstocks .....	--	--	9,235	646	--	-72	--	--	9,953	3,168
Naphtha for Petro. Feed. Use .....	--	--	6,470	552	--	199	--	--	6,823	2,210
Other Oils for Petro. Feed. Use .....	--	--	2,765	94	--	-271	--	--	3,130	958
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Miscellaneous Products .....	--	--	2,954	1	--	41	--	135	2,779	719
<b>Total</b> .....	<b>378,199</b>	<b>36,149</b>	<b>590,077</b>	<b>331,634</b>	<b>13,843</b>	<b>22,005</b>	<b>555,215</b>	<b>176,427</b>	<b>596,255</b>	<b>2,052,662</b>

-- = Not Applicable.

-- = No Data Reported.

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<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

**Table 3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January 2017**  
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>
<b>Crude Oil<sup>4</sup></b> .....	<b>8,835</b>	--	--	<b>8,435</b>	<b>254</b>	<b>649</b>	<b>16,129</b>	<b>746</b>	<b>0</b>
<b>Natural Gas Plant Liquids and Liquefied</b>									
<b>Refinery Gases</b> .....	<b>3,365</b>	<b>-22</b>	<b>353</b>	<b>283</b>	--	<b>-1,109</b>	<b>650</b>	<b>1,402</b>	<b>3,037</b>
Pentanes Plus .....	398	-22	--	20	--	-16	144	174	94
Liquefied Petroleum Gases .....	2,966	--	353	263	--	-1,093	505	1,227	2,943
Ethane/Ethylene .....	1,230	--	3	--	--	-61	--	135	1,158
Propane/Propylene .....	1,129	--	564	242	--	-795	--	1,043	1,687
Normal Butane/Butylene .....	313	--	-204	11	--	-236	295	46	15
Isobutane/Isobutylene .....	295	--	-10	10	--	-1	210	4	82
<b>Other Liquids</b> .....	--	<b>1,185</b>	--	<b>1,318</b>	<b>200</b>	<b>1,055</b>	<b>1,131</b>	<b>525</b>	<b>-8</b>
Hydrogen/Oxygenates/Renewables/									
Other Hydrocarbons .....	--	1,185	--	44	140	100	1,109	161	0
Hydrogen .....	--	--	--	--	205	--	205	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	74	--	13	-18	2	2	66	0
Renewable Fuels (including Fuel Ethanol) .....	--	1,111	--	29	-48	98	900	95	0
Fuel Ethanol .....	--	1,040	--	13	-17	100	843	94	0
Renewable Fuels Except Fuel Ethanol .....	--	71	--	17	-31	-2	57	1	0
Other Hydrocarbons .....	--	--	--	1	0	0	1	--	0
Unfinished Oils .....	--	--	--	661	--	232	183	254	-8
Motor Gasoline Blend.Comp. (MGBC) .....	--	0	--	612	60	724	-161	109	0
Reformulated .....	--	--	--	209	243	110	343	0	0
Conventional .....	--	0	--	403	-183	614	-504	109	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b> .....	--	<b>3</b>	<b>18,681</b>	<b>661</b>	<b>-8</b>	<b>115</b>	--	<b>3,019</b>	<b>16,204</b>
Finished Motor Gasoline .....	--	3	9,316	33	-44	-4	--	810	8,503
Reformulated .....	--	--	3,029	--	-260	0	--	--	2,768
Conventional .....	--	3	6,288	33	217	-4	--	810	5,734
Finished Aviation Gasoline .....	--	--	10	0	--	1	--	--	9
Kerosene-Type Jet Fuel .....	--	--	1,615	140	--	-12	--	174	1,593
Kerosene .....	--	--	19	--	--	3	--	2	14
Distillate Fuel Oil <sup>5</sup> .....	--	--	4,797	204	36	112	--	1,143	3,781
15 ppm sulfur and under .....	--	--	4,447	148	36	138	--	947	3,546
Greater than 15 ppm to 500 ppm sulfur .....	--	--	132	1	--	-4	--	134	4
Greater than 500 ppm sulfur .....	--	--	218	55	--	-21	--	62	231
Residual Fuel Oil <sup>6</sup> .....	--	--	473	176	--	-35	--	224	460
Less than 0.31 percent sulfur .....	--	--	53	8	--	5	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	65	9	--	-22	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	356	159	--	-18	--	NA	NA
Petrochemical Feedstocks .....	--	--	298	21	--	-2	--	--	321
Naphtha for Petro. Feed. Use .....	--	--	209	18	--	6	--	--	220
Other Oils for Petro. Feed. Use .....	--	--	89	3	--	-9	--	--	101
Special Naphthas .....	--	--	33	16	--	1	--	--	49
Lubricants .....	--	--	164	42	--	-24	--	124	105
Waxes .....	--	--	5	3	--	1	--	3	3
Petroleum Coke .....	--	--	926	6	--	4	--	516	412
Marketable .....	--	--	696	6	--	4	--	516	182
Catalyst .....	--	--	231	--	--	--	--	--	231
Asphalt and Road Oil .....	--	--	257	20	--	68	--	17	192
Still Gas .....	--	--	672	--	--	--	--	--	672
Miscellaneous Products .....	--	--	95	0	--	1	--	4	90
<b>Total</b> .....	<b>12,200</b>	<b>1,166</b>	<b>19,035</b>	<b>10,698</b>	<b>447</b>	<b>710</b>	<b>17,910</b>	<b>5,691</b>	<b>19,234</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.



**Table 4. U.S. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-January 2017**  
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>
<b>Crude Oil<sup>4</sup></b> .....	<b>8,835</b>	--	--	<b>8,435</b>	<b>254</b>	<b>649</b>	<b>16,129</b>	<b>746</b>	<b>0</b>
<b>Natural Gas Plant Liquids and Liquefied</b>									
<b>Refinery Gases</b> .....	<b>3,365</b>	<b>-22</b>	<b>353</b>	<b>283</b>	--	<b>-1,109</b>	<b>650</b>	<b>1,402</b>	<b>3,037</b>
Pentanes Plus .....	398	-22	--	20	--	-16	144	174	94
Liquefied Petroleum Gases .....	2,966	--	353	263	--	-1,093	505	1,227	2,943
Ethane/Ethylene .....	1,230	--	3	--	--	-61	--	135	1,158
Propane/Propylene .....	1,129	--	564	242	--	-795	--	1,043	1,687
Normal Butane/Butylene .....	313	--	-204	11	--	-236	295	46	15
Isobutane/Isobutylene .....	295	--	-10	10	--	-1	210	4	82
<b>Other Liquids</b> .....	--	<b>1,185</b>	--	<b>1,318</b>	<b>200</b>	<b>1,055</b>	<b>1,131</b>	<b>525</b>	<b>-8</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	--	1,185	--	44	140	100	1,109	161	0
Hydrogen .....	--	--	--	--	205	--	205	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	74	--	13	-18	2	2	66	0
Renewable Fuels (including Fuel Ethanol) .....	--	1,111	--	29	-48	98	900	95	0
Fuel Ethanol .....	--	1,040	--	13	-17	100	843	94	0
Renewable Fuels Except Fuel Ethanol .....	--	71	--	17	-31	-2	57	1	0
Other Hydrocarbons .....	--	--	--	1	0	0	1	--	0
Unfinished Oils .....	--	--	--	661	--	232	183	254	-8
Motor Gasoline Blend.Comp. (MGBC) .....	--	0	--	612	60	724	-161	109	0
Reformulated .....	--	--	--	209	243	110	343	0	0
Conventional .....	--	0	--	403	-183	614	-504	109	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b> .....	--	<b>3</b>	<b>18,681</b>	<b>661</b>	<b>-8</b>	<b>115</b>	--	<b>3,019</b>	<b>16,204</b>
Finished Motor Gasoline .....	--	3	9,316	33	-44	-4	--	810	8,503
Reformulated .....	--	--	3,029	--	-260	0	--	--	2,768
Conventional .....	--	3	6,288	33	217	-4	--	810	5,734
Finished Aviation Gasoline .....	--	--	10	0	--	1	--	--	9
Kerosene-Type Jet Fuel .....	--	--	1,615	140	--	-12	--	174	1,593
Kerosene .....	--	--	19	--	--	3	--	2	14
Distillate Fuel Oil <sup>5</sup> .....	--	--	4,797	204	36	112	--	1,143	3,781
15 ppm sulfur and under .....	--	--	4,447	148	36	138	--	947	3,546
Greater than 15 ppm to 500 ppm sulfur .....	--	--	132	1	--	-4	--	134	4
Greater than 500 ppm sulfur .....	--	--	218	55	--	-21	--	62	231
Residual Fuel Oil <sup>6</sup> .....	--	--	473	176	--	-35	--	224	460
Less than 0.31 percent sulfur .....	--	--	53	8	--	5	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	65	9	--	-22	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	356	159	--	-18	--	NA	NA
Petrochemical Feedstocks .....	--	--	298	21	--	-2	--	--	321
Naphtha for Petro. Feed. Use .....	--	--	209	18	--	6	--	--	220
Other Oils for Petro. Feed. Use .....	--	--	89	3	--	-9	--	--	101
Special Naphthas .....	--	--	33	16	--	1	--	--	49
Lubricants .....	--	--	164	42	--	-24	--	124	105
Waxes .....	--	--	5	3	--	1	--	3	3
Petroleum Coke .....	--	--	926	6	--	4	--	516	412
Marketable .....	--	--	696	6	--	4	--	516	182
Catalyst .....	--	--	231	--	--	--	--	--	231
Asphalt and Road Oil .....	--	--	257	20	--	68	--	17	192
Still Gas .....	--	--	672	--	--	--	--	--	672
Miscellaneous Products .....	--	--	95	0	--	1	--	4	90
<b>Total</b> .....	<b>12,200</b>	<b>1,166</b>	<b>19,035</b>	<b>10,698</b>	<b>447</b>	<b>710</b>	<b>17,910</b>	<b>5,691</b>	<b>19,234</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

**Table 5. PAD District 1 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January 2017**  
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	Ending Stocks
<b>Crude Oil</b>	<b>1,369</b>	--	--	<b>30,157</b>	<b>5,551</b>	<b>3,215</b>	<b>5,678</b>	<b>32,892</b>	<b>1,722</b>	<b>0</b>	<b>17,923</b>
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b>	<b>11,903</b>	<b>-15</b>	<b>316</b>	<b>2,609</b>	<b>285</b>	--	<b>-753</b>	<b>1,456</b>	<b>5,554</b>	<b>8,841</b>	<b>7,014</b>
Pentanes Plus	1,135	-15	--	--	-10	--	153	238	3,462	-2,743	336
Liquefied Petroleum Gases	10,768	--	316	2,609	295	--	-906	1,218	2,091	11,585	6,678
Ethane/Ethylene	5,024	--	20	--	-3,822	--	-161	--	1,199	184	279
Propane/Propylene	3,953	--	1,018	2,479	3,564	--	-885	--	841	11,058	5,129
Normal Butane/Butylene	1,209	--	-769	18	586	--	52	851	49	92	1,024
Isobutane/Isobutylene	582	--	47	112	-33	--	88	367	1	252	246
<b>Other Liquids</b>	--	<b>964</b>	--	<b>20,078</b>	<b>55,332</b>	<b>9,401</b>	<b>11,295</b>	<b>73,485</b>	<b>1,869</b>	<b>-875</b>	<b>84,405</b>
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	967	--	183	9,716	411	1,210	10,053	14	0	10,321
Hydrogen	--	--	--	--	--	97	--	97	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	1	--	--	1	0	--
Renewable Fuels (including Fuel Ethanol)	--	967	--	183	9,716	313	1,210	9,956	13	0	10,321
Fuel Ethanol	--	872	--	--	9,523	785	1,638	9,532	11	0	7,924
Renewable Fuels Except Fuel Ethanol	--	95	--	183	192	-472	-428	424	2	0	2,397
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	3,341	-47	--	1,204	1,116	1,849	-875	5,676
Motor Gasoline Blend. Comp. (MGBC)	--	-3	--	16,554	45,663	8,989	8,881	62,316	6	0	68,408
Reformulated	--	--	--	6,481	8,116	4,404	2,873	16,128	0	0	22,496
Conventional	--	-3	--	10,073	37,547	4,585	6,008	46,188	6	0	45,912
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>109,162</b>	<b>11,317</b>	<b>47,976</b>	<b>-9,302</b>	<b>-693</b>	--	<b>2,675</b>	<b>157,171</b>	<b>102,066</b>
Finished Motor Gasoline	--	--	90,887	865	6,993	-9,775	354	--	514	88,102	5,846
Reformulated	--	--	37,345	--	--	-4,132	8	--	--	33,205	39
Conventional	--	--	53,542	865	6,993	-5,643	346	--	514	54,897	5,807
Finished Aviation Gasoline	--	--	--	1	929	--	28	--	--	902	192
Kerosene-Type Jet Fuel	--	--	2,497	1,594	12,803	--	-1,082	--	29	17,947	9,996
Kerosene	--	--	199	--	--	--	153	--	2	44	1,924
Distillate Fuel Oil <sup>6</sup>	--	--	10,105	5,872	26,355	472	80	--	481	42,243	67,031
15 ppm sulfur and under	--	--	7,480	4,347	23,878	472	521	--	480	35,176	53,978
Greater than 15 ppm to 500 ppm sulfur	--	--	516	42	90	--	-237	--	0	885	6,151
Greater than 500 ppm sulfur	--	--	2,109	1,483	2,387	--	-204	--	1	6,182	6,902
Residual Fuel Oil <sup>7</sup>	--	--	1,437	2,485	--	--	-684	--	705	3,901	10,312
Less than 0.31 percent sulfur	--	--	374	--	--	--	103	--	NA	NA	1,103
0.31 to 1.00 percent sulfur	--	--	471	236	--	--	-193	--	NA	NA	2,450
Greater than 1.00 percent sulfur	--	--	592	2,249	--	--	-594	--	NA	NA	6,759
Petrochemical Feedstocks	--	--	80	--	-18	--	3	--	--	59	162
Naphtha for Petro. Feed. Use	--	--	80	--	--	--	3	--	--	77	162
Other Oils for Petro. Feed. Use	--	--	--	--	-18	--	--	--	--	-18	--
Special Naphthas	--	--	20	--	--	--	3	--	--	17	25
Lubricants	--	--	420	127	531	--	-61	--	151	988	1,147
Waxes	--	--	9	58	--	--	23	--	61	-17	400
Petroleum Coke	--	--	1,130	3	--	--	--	--	614	519	--
Marketable	--	--	415	3	--	--	--	--	614	-196	--
Catalyst	--	--	715	--	--	--	--	--	--	715	--
Asphalt and Road Oil	--	--	932	312	383	--	493	--	104	1,030	4,997
Still Gas	--	--	1,343	--	--	--	--	--	--	1,343	--
Miscellaneous Products	--	--	103	--	--	--	-3	--	15	91	34
<b>Total</b>	<b>13,272</b>	<b>949</b>	<b>109,478</b>	<b>64,161</b>	<b>109,144</b>	<b>3,313</b>	<b>15,527</b>	<b>107,833</b>	<b>11,820</b>	<b>165,137</b>	<b>211,408</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 6. PAD District 1 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-January 2017**  
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	Ending Stocks
<b>Crude Oil</b>	<b>1,369</b>	--	--	<b>30,157</b>	<b>5,551</b>	<b>3,215</b>	<b>5,678</b>	<b>32,892</b>	<b>1,722</b>	<b>0</b>	<b>17,923</b>
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b>	<b>11,903</b>	<b>-15</b>	<b>316</b>	<b>2,609</b>	<b>285</b>	--	<b>-753</b>	<b>1,456</b>	<b>5,554</b>	<b>8,841</b>	<b>7,014</b>
Pentanes Plus	1,135	-15	--	--	-10	--	153	238	3,462	-2,743	336
Liquefied Petroleum Gases	10,768	--	316	2,609	295	--	-906	1,218	2,091	11,585	6,678
Ethane/Ethylene	5,024	--	20	--	-3,822	--	-161	--	1,199	184	279
Propane/Propylene	3,953	--	1,018	2,479	3,564	--	-885	--	841	11,058	5,129
Normal Butane/Butylene	1,209	--	-769	18	586	--	52	851	49	92	1,024
Isobutane/Isobutylene	582	--	47	112	-33	--	88	367	1	252	246
<b>Other Liquids</b>	--	<b>964</b>	--	<b>20,078</b>	<b>55,332</b>	<b>9,401</b>	<b>11,295</b>	<b>73,485</b>	<b>1,869</b>	<b>-875</b>	<b>84,405</b>
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	967	--	183	9,716	411	1,210	10,053	14	0	10,321
Hydrogen	--	--	--	--	--	97	--	97	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	1	--	--	1	0	--
Renewable Fuels (including Fuel Ethanol)	--	967	--	183	9,716	313	1,210	9,956	13	0	10,321
Fuel Ethanol	--	872	--	--	9,523	785	1,638	9,532	11	0	7,924
Renewable Fuels Except Fuel Ethanol	--	95	--	183	192	-472	-428	424	2	0	2,397
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	3,341	-47	--	1,204	1,116	1,849	-875	5,676
Motor Gasoline Blend. Comp. (MGBC)	--	-3	--	16,554	45,663	8,989	8,881	62,316	6	0	68,408
Reformulated	--	--	--	6,481	8,116	4,404	2,873	16,128	0	0	22,496
Conventional	--	-3	--	10,073	37,547	4,585	6,008	46,188	6	0	45,912
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>109,162</b>	<b>11,317</b>	<b>47,976</b>	<b>-9,302</b>	<b>-693</b>	--	<b>2,675</b>	<b>157,171</b>	<b>102,066</b>
Finished Motor Gasoline	--	--	90,887	865	6,993	-9,775	354	--	514	88,102	5,846
Reformulated	--	--	37,345	--	--	-4,132	8	--	--	33,205	39
Conventional	--	--	53,542	865	6,993	-5,643	346	--	514	54,897	5,807
Finished Aviation Gasoline	--	--	--	1	929	--	28	--	--	902	192
Kerosene-Type Jet Fuel	--	--	2,497	1,594	12,803	--	-1,082	--	29	17,947	9,996
Kerosene	--	--	199	--	--	--	153	--	2	44	1,924
Distillate Fuel Oil <sup>6</sup>	--	--	10,105	5,872	26,355	472	80	--	481	42,243	67,031
15 ppm sulfur and under	--	--	7,480	4,347	23,878	472	521	--	480	35,176	53,978
Greater than 15 ppm to 500 ppm sulfur	--	--	516	42	90	--	-237	--	0	885	6,151
Greater than 500 ppm sulfur	--	--	2,109	1,483	2,387	--	-204	--	1	6,182	6,902
Residual Fuel Oil <sup>7</sup>	--	--	1,437	2,485	--	--	-684	--	705	3,901	10,312
Less than 0.31 percent sulfur	--	--	374	--	--	--	103	--	NA	NA	1,103
0.31 to 1.00 percent sulfur	--	--	471	236	--	--	-193	--	NA	NA	2,450
Greater than 1.00 percent sulfur	--	--	592	2,249	--	--	-594	--	NA	NA	6,759
Petrochemical Feedstocks	--	--	80	--	-18	--	3	--	--	59	162
Naphtha for Petro. Feed. Use	--	--	80	--	--	--	3	--	--	77	162
Other Oils for Petro. Feed. Use	--	--	--	--	-18	--	--	--	--	-18	--
Special Naphthas	--	--	20	--	--	--	3	--	--	17	25
Lubricants	--	--	420	127	531	--	-61	--	151	988	1,147
Waxes	--	--	9	58	--	--	23	--	61	-17	400
Petroleum Coke	--	--	1,130	3	--	--	--	--	614	519	--
Marketable	--	--	415	3	--	--	--	--	614	-196	--
Catalyst	--	--	715	--	--	--	--	--	--	715	--
Asphalt and Road Oil	--	--	932	312	383	--	493	--	104	1,030	4,997
Still Gas	--	--	1,343	--	--	--	--	--	--	1,343	--
Miscellaneous Products	--	--	103	--	--	--	-3	--	15	91	34
<b>Total</b>	<b>13,272</b>	<b>949</b>	<b>109,478</b>	<b>64,161</b>	<b>109,144</b>	<b>3,313</b>	<b>15,527</b>	<b>107,833</b>	<b>11,820</b>	<b>165,137</b>	<b>211,408</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 7. PAD District 1 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January 2017**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b> .....	<b>44</b>	<b>--</b>	<b>--</b>	<b>973</b>	<b>179</b>	<b>104</b>	<b>183</b>	<b>1,061</b>	<b>56</b>	<b>0</b>
<b>Natural Gas Plant Liquids and Liquefied</b>										
<b>Refinery Gases</b> .....	<b>384</b>	<b>0</b>	<b>10</b>	<b>84</b>	<b>9</b>	<b>--</b>	<b>-24</b>	<b>47</b>	<b>179</b>	<b>285</b>
Pentanes Plus .....	37	0	--	--	0	--	5	8	112	-88
Liquefied Petroleum Gases .....	347	--	10	84	10	--	-29	39	67	374
Ethane/Ethylene .....	162	--	1	--	-123	--	-5	--	39	6
Propane/Propylene .....	128	--	33	80	115	--	-29	--	27	357
Normal Butane/Butylene .....	39	--	-25	1	19	--	2	27	2	3
Isobutane/Isobutylene .....	19	--	2	4	-1	--	3	12	0	8
<b>Other Liquids</b> .....	<b>--</b>	<b>31</b>	<b>--</b>	<b>648</b>	<b>1,785</b>	<b>303</b>	<b>364</b>	<b>2,370</b>	<b>60</b>	<b>-28</b>
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons .....	--	31	--	6	313	13	39	324	0	0
Hydrogen .....	--	--	--	--	--	3	--	3	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol) .....	--	31	--	6	313	10	39	321	0	0
Fuel Ethanol .....	--	28	--	--	307	25	53	307	0	0
Renewable Fuels Except Fuel Ethanol .....	--	3	--	6	6	-15	-14	14	0	0
Other Hydrocarbons .....	--	--	--	--	--	--	--	--	--	--
Unfinished Oils .....	--	--	--	108	-2	--	39	36	60	-28
Motor Gasoline Blend.Comp. (MGBC) .....	--	0	--	534	1,473	290	286	2,010	0	0
Reformulated .....	--	--	--	209	262	142	93	520	0	0
Conventional .....	--	0	--	325	1,211	148	194	1,490	0	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b> .....	<b>--</b>	<b>--</b>	<b>3,521</b>	<b>365</b>	<b>1,548</b>	<b>-300</b>	<b>-22</b>	<b>--</b>	<b>86</b>	<b>5,070</b>
Finished Motor Gasoline .....	--	--	2,932	28	226	-315	11	--	17	2,842
Reformulated .....	--	--	1,205	--	--	-133	0	--	--	1,071
Conventional .....	--	--	1,727	28	226	-182	11	--	17	1,771
Finished Aviation Gasoline .....	--	--	--	0	30	--	1	--	--	29
Kerosene-Type Jet Fuel .....	--	--	81	51	413	--	-35	--	1	579
Kerosene .....	--	--	6	--	--	--	5	--	0	1
Distillate Fuel Oil <sup>6</sup> .....	--	--	326	189	850	15	3	--	16	1,363
15 ppm sulfur and under .....	--	--	241	140	770	15	17	--	15	1,135
Greater than 15 ppm to 500 ppm sulfur .....	--	--	17	1	3	--	-8	--	0	29
Greater than 500 ppm sulfur .....	--	--	68	48	77	--	-7	--	0	199
Residual Fuel Oil <sup>7</sup> .....	--	--	46	80	--	--	-22	--	23	126
Less than 0.31 percent sulfur .....	--	--	12	--	--	--	3	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	15	8	--	--	-6	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	19	73	--	--	-19	--	NA	NA
Petrochemical Feedstocks .....	--	--	3	--	-1	--	0	--	--	2
Naphtha for Petro. Feed. Use .....	--	--	3	--	--	--	0	--	--	2
Other Oils for Petro. Feed. Use .....	--	--	--	--	-1	--	--	--	--	-1
Special Naphthas .....	--	--	1	--	--	--	0	--	--	1
Lubricants .....	--	--	14	4	17	--	-2	--	5	32
Waxes .....	--	--	0	2	--	--	1	--	2	-1
Petroleum Coke .....	--	--	36	0	--	--	--	--	20	17
Marketable .....	--	--	13	0	--	--	--	--	20	-6
Catalyst .....	--	--	23	--	--	--	--	--	--	23
Asphalt and Road Oil .....	--	--	30	10	12	--	16	--	3	33
Still Gas .....	--	--	43	--	--	--	--	--	--	43
Miscellaneous Products .....	--	--	3	--	--	--	0	--	0	3
<b>Total</b> .....	<b>428</b>	<b>31</b>	<b>3,532</b>	<b>2,070</b>	<b>3,521</b>	<b>107</b>	<b>501</b>	<b>3,478</b>	<b>381</b>	<b>5,327</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 8. PAD District 1 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-January 2017**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b> .....	<b>44</b>	<b>--</b>	<b>--</b>	<b>973</b>	<b>179</b>	<b>104</b>	<b>183</b>	<b>1,061</b>	<b>56</b>	<b>0</b>
<b>Natural Gas Plant Liquids and Liquefied</b>										
<b>Refinery Gases</b> .....	<b>384</b>	<b>0</b>	<b>10</b>	<b>84</b>	<b>9</b>	<b>--</b>	<b>-24</b>	<b>47</b>	<b>179</b>	<b>285</b>
Pentanes Plus .....	37	0	--	--	0	--	5	8	112	-88
Liquefied Petroleum Gases .....	347	--	10	84	10	--	-29	39	67	374
Ethane/Ethylene .....	162	--	1	--	-123	--	-5	--	39	6
Propane/Propylene .....	128	--	33	80	115	--	-29	--	27	357
Normal Butane/Butylene .....	39	--	-25	1	19	--	2	27	2	3
Isobutane/Isobutylene .....	19	--	2	4	-1	--	3	12	0	8
<b>Other Liquids</b> .....	<b>--</b>	<b>31</b>	<b>--</b>	<b>648</b>	<b>1,785</b>	<b>303</b>	<b>364</b>	<b>2,370</b>	<b>60</b>	<b>-28</b>
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons .....	--	31	--	6	313	13	39	324	0	0
Hydrogen .....	--	--	--	--	--	3	--	3	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol) .....	--	31	--	6	313	10	39	321	0	0
Fuel Ethanol .....	--	28	--	--	307	25	53	307	0	0
Renewable Fuels Except Fuel Ethanol .....	--	3	--	6	6	-15	-14	14	0	0
Other Hydrocarbons .....	--	--	--	--	--	--	--	--	--	--
Unfinished Oils .....	--	--	--	108	-2	--	39	36	60	-28
Motor Gasoline Blend.Comp. (MGBC) .....	--	0	--	534	1,473	290	286	2,010	0	0
Reformulated .....	--	--	--	209	262	142	93	520	0	0
Conventional .....	--	0	--	325	1,211	148	194	1,490	0	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b> .....	<b>--</b>	<b>--</b>	<b>3,521</b>	<b>365</b>	<b>1,548</b>	<b>-300</b>	<b>-22</b>	<b>--</b>	<b>86</b>	<b>5,070</b>
Finished Motor Gasoline .....	--	--	2,932	28	226	-315	11	--	17	2,842
Reformulated .....	--	--	1,205	--	--	-133	0	--	--	1,071
Conventional .....	--	--	1,727	28	226	-182	11	--	17	1,771
Finished Aviation Gasoline .....	--	--	--	0	30	--	1	--	--	29
Kerosene-Type Jet Fuel .....	--	--	81	51	413	--	-35	--	1	579
Kerosene .....	--	--	6	--	--	--	5	--	0	1
Distillate Fuel Oil <sup>6</sup> .....	--	--	326	189	850	15	3	--	16	1,363
15 ppm sulfur and under .....	--	--	241	140	770	15	17	--	15	1,135
Greater than 15 ppm to 500 ppm sulfur .....	--	--	17	1	3	--	-8	--	0	29
Greater than 500 ppm sulfur .....	--	--	68	48	77	--	-7	--	0	199
Residual Fuel Oil <sup>7</sup> .....	--	--	46	80	--	--	-22	--	23	126
Less than 0.31 percent sulfur .....	--	--	12	--	--	--	3	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	15	8	--	--	-6	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	19	73	--	--	-19	--	NA	NA
Petrochemical Feedstocks .....	--	--	3	--	-1	--	0	--	--	2
Naphtha for Petro. Feed. Use .....	--	--	3	--	--	--	0	--	--	2
Other Oils for Petro. Feed. Use .....	--	--	--	--	-1	--	--	--	--	-1
Special Naphthas .....	--	--	1	--	--	--	0	--	--	1
Lubricants .....	--	--	14	4	17	--	-2	--	5	32
Waxes .....	--	--	0	2	--	--	1	--	2	-1
Petroleum Coke .....	--	--	36	0	--	--	--	--	20	17
Marketable .....	--	--	13	0	--	--	--	--	20	-6
Catalyst .....	--	--	23	--	--	--	--	--	--	23
Asphalt and Road Oil .....	--	--	30	10	12	--	16	--	3	33
Still Gas .....	--	--	43	--	--	--	--	--	--	43
Miscellaneous Products .....	--	--	3	--	--	--	0	--	0	3
<b>Total</b> .....	<b>428</b>	<b>31</b>	<b>3,532</b>	<b>2,070</b>	<b>3,521</b>	<b>107</b>	<b>501</b>	<b>3,478</b>	<b>381</b>	<b>5,327</b>

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<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 9. PAD District 2 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January 2017**  
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	Ending Stocks
<b>Crude Oil</b>	<b>48,597</b>	--	--	<b>81,991</b>	<b>-10,676</b>	<b>502</b>	<b>-1,159</b>	<b>115,384</b>	<b>6,188</b>	<b>0</b>	<b>150,120</b>
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b>	<b>22,205</b>	<b>-629</b>	<b>670</b>	<b>3,663</b>	<b>-5,237</b>	--	<b>-8,271</b>	<b>3,723</b>	<b>3,482</b>	<b>21,738</b>	<b>39,656</b>
Pentanes Plus	2,490	-629	--	5	5,213	--	248	290	1,329	5,212	9,540
Liquefied Petroleum Gases	19,715	--	670	3,658	-10,450	--	-8,519	3,433	2,153	16,526	30,116
Ethane/Ethylene	6,744	--	--	--	-2,922	--	-376	--	1,900	2,298	5,305
Propane/Propylene	8,670	--	3,489	3,324	-7,519	--	-5,882	--	110	13,736	16,252
Normal Butane/Butylene	2,950	--	-2,581	170	-395	--	-2,160	1,853	143	308	6,758
Isobutane/Isobutylene	1,351	--	-238	164	386	--	-101	1,580	0	184	1,801
<b>Other Liquids</b>	--	<b>31,398</b>	--	<b>466</b>	<b>-13,919</b>	<b>-1,202</b>	<b>8,345</b>	<b>8,322</b>	<b>1,968</b>	<b>-1,891</b>	<b>74,882</b>
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	31,399	--	29	-21,331	309	1,109	8,698	599	0	8,909
Hydrogen	--	--	--	--	--	1,261	--	1,261	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	1	--	--	1	0	--
Renewable Fuels (including Fuel Ethanol)	--	31,399	--	2	-21,331	-965	1,109	7,398	599	0	8,892
Fuel Ethanol	--	29,840	--	--	-20,745	-601	870	7,036	588	0	7,964
Renewable Fuels Except Fuel Ethanol	--	1,559	--	2	-586	-363	239	362	11	0	928
Other Hydrocarbons	--	--	--	27	--	12	0	39	--	0	17
Unfinished Oils	--	--	--	--	-328	--	300	-105	1,368	-1,891	13,437
Motor Gasoline Blend. Comp. (MGBC)	--	-1	--	437	7,740	-1,511	6,936	-271	0	0	52,536
Reformulated	--	--	--	--	1,286	-955	729	-398	--	0	7,276
Conventional	--	-1	--	437	6,454	-556	6,207	127	0	0	45,260
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	<b>95</b>	<b>134,105</b>	<b>827</b>	<b>2,436</b>	<b>2,495</b>	<b>4,222</b>	--	<b>1,582</b>	<b>134,154</b>	<b>65,655</b>
Finished Motor Gasoline	--	95	74,376	--	-121	2,112	298	--	43	76,121	7,545
Reformulated	--	--	10,628	--	--	1,089	--	--	--	11,717	--
Conventional	--	95	63,748	--	-121	1,023	298	--	43	64,404	7,545
Finished Aviation Gasoline	--	--	57	1	109	--	11	--	--	156	222
Kerosene-Type Jet Fuel	--	--	7,782	--	742	--	346	--	740	7,438	7,175
Kerosene	--	--	134	--	--	--	-31	--	0	165	165
Distillate Fuel Oil	--	--	33,865	101	2,414	383	2,626	--	325	33,812	35,188
15 ppm sulfur and under	--	--	33,974	90	2,377	383	2,857	--	0	33,967	34,145
Greater than 15 ppm to 500 ppm sulfur	--	--	158	--	65	--	-54	--	237	40	396
Greater than 500 ppm sulfur	--	--	-267	11	-28	--	-177	--	87	-194	647
Residual Fuel Oil <sup>6</sup>	--	--	1,798	125	-844	--	-40	--	179	940	1,449
Less than 0.31 percent sulfur	--	--	78	--	--	--	10	--	NA	NA	42
0.31 to 1.00 percent sulfur	--	--	255	31	-69	--	-81	--	NA	NA	206
Greater than 1.00 percent sulfur	--	--	1,465	94	-775	--	31	--	NA	NA	1,201
Petrochemical Feedstocks	--	--	1,095	163	-134	--	93	--	--	1,031	626
Naphtha for Petro. Feed. Use	--	--	851	82	-82	--	86	--	--	765	477
Other Oils for Petro. Feed. Use	--	--	244	81	-52	--	7	--	--	266	149
Special Naphthas	--	--	42	34	44	--	-22	--	--	142	139
Lubricants	--	--	210	202	196	--	-55	--	141	522	685
Waxes	--	--	34	5	--	--	3	--	25	11	47
Petroleum Coke	--	--	6,159	15	--	--	23	--	44	6,107	1,101
Marketable	--	--	4,642	15	--	--	23	--	44	4,590	1,101
Catalyst	--	--	1,517	--	--	--	--	--	--	1,517	--
Asphalt and Road Oil	--	--	3,669	181	10	--	984	--	85	2,791	11,204
Still Gas	--	--	4,370	--	--	--	--	--	--	4,370	--
Miscellaneous Products	--	--	514	--	20	--	-14	--	0	548	109
<b>Total</b>	<b>70,802</b>	<b>30,864</b>	<b>134,775</b>	<b>86,947</b>	<b>-27,396</b>	<b>1,795</b>	<b>3,137</b>	<b>127,429</b>	<b>13,220</b>	<b>154,001</b>	<b>330,313</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks.

Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 10. PAD District 2 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-January 2017**  
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	Ending Stocks
<b>Crude Oil</b>	<b>48,597</b>	--	--	<b>81,991</b>	<b>-10,676</b>	<b>502</b>	<b>-1,159</b>	<b>115,384</b>	<b>6,188</b>	<b>0</b>	<b>150,120</b>
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b>	<b>22,205</b>	<b>-629</b>	<b>670</b>	<b>3,663</b>	<b>-5,237</b>	--	<b>-8,271</b>	<b>3,723</b>	<b>3,482</b>	<b>21,738</b>	<b>39,656</b>
Pentanes Plus	2,490	-629	--	5	5,213	--	248	290	1,329	5,212	9,540
Liquefied Petroleum Gases	19,715	--	670	3,658	-10,450	--	-8,519	3,433	2,153	16,526	30,116
Ethane/Ethylene	6,744	--	--	--	-2,922	--	-376	--	1,900	2,298	5,305
Propane/Propylene	8,670	--	3,489	3,324	-7,519	--	-5,882	--	110	13,736	16,252
Normal Butane/Butylene	2,950	--	-2,581	170	-395	--	-2,160	1,853	143	308	6,758
Isobutane/Isobutylene	1,351	--	-238	164	386	--	-101	1,580	0	184	1,801
<b>Other Liquids</b>	--	<b>31,398</b>	--	<b>466</b>	<b>-13,919</b>	<b>-1,202</b>	<b>8,345</b>	<b>8,322</b>	<b>1,968</b>	<b>-1,891</b>	<b>74,882</b>
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	31,399	--	29	-21,331	309	1,109	8,698	599	0	8,909
Hydrogen	--	--	--	--	--	1,261	--	1,261	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	1	--	--	1	0	--
Renewable Fuels (including Fuel Ethanol)	--	31,399	--	2	-21,331	-965	1,109	7,398	599	0	8,892
Fuel Ethanol	--	29,840	--	--	-20,745	-601	870	7,036	588	0	7,964
Renewable Fuels Except Fuel Ethanol	--	1,559	--	2	-586	-363	239	362	11	0	928
Other Hydrocarbons	--	--	--	27	--	12	0	39	--	0	17
Unfinished Oils	--	--	--	--	-328	--	300	-105	1,368	-1,891	13,437
Motor Gasoline Blend. Comp. (MGBC)	--	-1	--	437	7,740	-1,511	6,936	-271	0	0	52,536
Reformulated	--	--	--	--	1,286	-955	729	-398	--	0	7,276
Conventional	--	-1	--	437	6,454	-556	6,207	127	0	0	45,260
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	<b>95</b>	<b>134,105</b>	<b>827</b>	<b>2,436</b>	<b>2,495</b>	<b>4,222</b>	--	<b>1,582</b>	<b>134,154</b>	<b>65,655</b>
Finished Motor Gasoline	--	95	74,376	--	-121	2,112	298	--	43	76,121	7,545
Reformulated	--	--	10,628	--	--	1,089	--	--	--	11,717	--
Conventional	--	95	63,748	--	-121	1,023	298	--	43	64,404	7,545
Finished Aviation Gasoline	--	--	57	1	109	--	11	--	--	156	222
Kerosene-Type Jet Fuel	--	--	7,782	--	742	--	346	--	740	7,438	7,175
Kerosene	--	--	134	--	--	--	-31	--	0	165	165
Distillate Fuel Oil	--	--	33,865	101	2,414	383	2,626	--	325	33,812	35,188
15 ppm sulfur and under	--	--	33,974	90	2,377	383	2,857	--	0	33,967	34,145
Greater than 15 ppm to 500 ppm sulfur	--	--	158	--	65	--	-54	--	237	40	396
Greater than 500 ppm sulfur	--	--	-267	11	-28	--	-177	--	87	-194	647
Residual Fuel Oil <sup>6</sup>	--	--	1,798	125	-844	--	-40	--	179	940	1,449
Less than 0.31 percent sulfur	--	--	78	--	--	--	10	--	NA	NA	42
0.31 to 1.00 percent sulfur	--	--	255	31	-69	--	-81	--	NA	NA	206
Greater than 1.00 percent sulfur	--	--	1,465	94	-775	--	31	--	NA	NA	1,201
Petrochemical Feedstocks	--	--	1,095	163	-134	--	93	--	--	1,031	626
Naphtha for Petro. Feed. Use	--	--	851	82	-82	--	86	--	--	765	477
Other Oils for Petro. Feed. Use	--	--	244	81	-52	--	7	--	--	266	149
Special Naphthas	--	--	42	34	44	--	-22	--	--	142	139
Lubricants	--	--	210	202	196	--	-55	--	141	522	685
Waxes	--	--	34	5	--	--	3	--	25	11	47
Petroleum Coke	--	--	6,159	15	--	--	23	--	44	6,107	1,101
Marketable	--	--	4,642	15	--	--	23	--	44	4,590	1,101
Catalyst	--	--	1,517	--	--	--	--	--	--	1,517	--
Asphalt and Road Oil	--	--	3,669	181	10	--	984	--	85	2,791	11,204
Still Gas	--	--	4,370	--	--	--	--	--	--	4,370	--
Miscellaneous Products	--	--	514	--	20	--	-14	--	0	548	109
<b>Total</b>	<b>70,802</b>	<b>30,864</b>	<b>134,775</b>	<b>86,947</b>	<b>-27,396</b>	<b>1,795</b>	<b>3,137</b>	<b>127,429</b>	<b>13,220</b>	<b>154,001</b>	<b>330,313</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks.

Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 11. PAD District 2 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January 2017**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b> .....	<b>1,568</b>	--	--	<b>2,645</b>	<b>-344</b>	<b>16</b>	<b>-37</b>	<b>3,722</b>	<b>200</b>	<b>0</b>
<b>Natural Gas Plant Liquids and Liquefied</b>										
<b>Refinery Gases</b> .....	<b>716</b>	<b>-20</b>	<b>22</b>	<b>118</b>	<b>-169</b>	--	<b>-267</b>	<b>120</b>	<b>112</b>	<b>701</b>
Pentanes Plus .....	80	-20	--	0	168	--	8	9	43	168
Liquefied Petroleum Gases .....	636	--	22	118	-337	--	-275	111	69	533
Ethane/Ethylene .....	218	--	--	--	-94	--	-12	--	61	74
Propane/Propylene .....	280	--	113	107	-243	--	-190	--	4	443
Normal Butane/Butylene .....	95	--	-83	5	-13	--	-70	60	5	10
Isobutane/Isobutylene .....	44	--	-8	5	12	--	-3	51	0	6
<b>Other Liquids</b> .....	--	<b>1,013</b>	--	<b>15</b>	<b>-449</b>	<b>-39</b>	<b>269</b>	<b>268</b>	<b>63</b>	<b>-61</b>
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons .....	--	1,013	--	1	-688	10	36	281	19	0
Hydrogen .....	--	--	--	--	--	41	--	41	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol) .....	--	1,013	--	0	-688	-31	36	239	19	0
Fuel Ethanol .....	--	963	--	--	-669	-19	28	227	19	0
Renewable Fuels Except Fuel Ethanol .....	--	50	--	0	-19	-12	8	12	0	0
Other Hydrocarbons .....	--	--	--	1	--	0	0	1	--	0
Unfinished Oils .....	--	--	--	--	-11	--	10	-3	44	-61
Motor Gasoline Blend.Comp. (MGBC) .....	--	0	--	14	250	-49	224	-9	0	0
Reformulated .....	--	--	--	--	41	-31	24	-13	--	0
Conventional .....	--	0	--	14	208	-18	200	4	0	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b> .....	--	<b>3</b>	<b>4,326</b>	<b>27</b>	<b>79</b>	<b>80</b>	<b>136</b>	--	<b>51</b>	<b>4,328</b>
Finished Motor Gasoline .....	--	3	2,399	--	-4	68	10	--	1	2,456
Reformulated .....	--	--	343	--	--	35	--	--	--	378
Conventional .....	--	3	2,056	--	-4	33	10	--	1	2,078
Finished Aviation Gasoline .....	--	--	2	0	4	--	0	--	--	5
Kerosene-Type Jet Fuel .....	--	--	251	--	24	--	11	--	24	240
Kerosene .....	--	--	4	--	--	--	-1	--	0	5
Distillate Fuel Oil .....	--	--	1,092	3	78	12	85	--	10	1,091
15 ppm sulfur and under .....	--	--	1,096	3	77	12	92	--	0	1,096
Greater than 15 ppm to 500 ppm sulfur .....	--	--	5	--	2	--	-2	--	8	1
Greater than 500 ppm sulfur .....	--	--	-9	0	-1	--	-6	--	3	-6
Residual Fuel Oil <sup>6</sup> .....	--	--	58	4	-27	--	-1	--	6	30
Less than 0.31 percent sulfur .....	--	--	3	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	8	1	-2	--	-3	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	47	3	-25	--	1	--	NA	NA
Petrochemical Feedstocks .....	--	--	35	5	-4	--	3	--	--	33
Naphtha for Petro. Feed. Use .....	--	--	27	3	-3	--	3	--	--	25
Other Oils for Petro. Feed. Use .....	--	--	8	3	-2	--	0	--	--	9
Special Naphthas .....	--	--	1	1	1	--	-1	--	--	5
Lubricants .....	--	--	7	7	6	--	-2	--	5	17
Waxes .....	--	--	1	0	--	--	0	--	1	0
Petroleum Coke .....	--	--	199	0	--	--	1	--	1	197
Marketable .....	--	--	150	0	--	--	1	--	1	148
Catalyst .....	--	--	49	--	--	--	--	--	--	49
Asphalt and Road Oil .....	--	--	118	6	0	--	32	--	3	90
Still Gas .....	--	--	141	--	--	--	--	--	--	141
Miscellaneous Products .....	--	--	17	--	1	--	0	--	0	18
<b>Total</b> .....	<b>2,284</b>	<b>996</b>	<b>4,348</b>	<b>2,805</b>	<b>-884</b>	<b>58</b>	<b>101</b>	<b>4,111</b>	<b>426</b>	<b>4,968</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 12. PAD District 2 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-January 2017**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b> .....	<b>1,568</b>	--	--	<b>2,645</b>	<b>-344</b>	<b>16</b>	<b>-37</b>	<b>3,722</b>	<b>200</b>	<b>0</b>
<b>Natural Gas Plant Liquids and Liquefied</b>										
<b>Refinery Gases</b> .....	<b>716</b>	<b>-20</b>	<b>22</b>	<b>118</b>	<b>-169</b>	--	<b>-267</b>	<b>120</b>	<b>112</b>	<b>701</b>
Pentanes Plus .....	80	-20	--	0	168	--	8	9	43	168
Liquefied Petroleum Gases .....	636	--	22	118	-337	--	-275	111	69	533
Ethane/Ethylene .....	218	--	--	--	-94	--	-12	--	61	74
Propane/Propylene .....	280	--	113	107	-243	--	-190	--	4	443
Normal Butane/Butylene .....	95	--	-83	5	-13	--	-70	60	5	10
Isobutane/Isobutylene .....	44	--	-8	5	12	--	-3	51	0	6
<b>Other Liquids</b> .....	--	<b>1,013</b>	--	<b>15</b>	<b>-449</b>	<b>-39</b>	<b>269</b>	<b>268</b>	<b>63</b>	<b>-61</b>
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons .....	--	1,013	--	1	-688	10	36	281	19	0
Hydrogen .....	--	--	--	--	--	41	--	41	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol) .....	--	1,013	--	0	-688	-31	36	239	19	0
Fuel Ethanol .....	--	963	--	--	-669	-19	28	227	19	0
Renewable Fuels Except Fuel Ethanol .....	--	50	--	0	-19	-12	8	12	0	0
Other Hydrocarbons .....	--	--	--	1	--	0	0	1	--	0
Unfinished Oils .....	--	--	--	--	-11	--	10	-3	44	-61
Motor Gasoline Blend.Comp. (MGBC) .....	--	0	--	14	250	-49	224	-9	0	0
Reformulated .....	--	--	--	--	41	-31	24	-13	--	0
Conventional .....	--	0	--	14	208	-18	200	4	0	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b> .....	--	<b>3</b>	<b>4,326</b>	<b>27</b>	<b>79</b>	<b>80</b>	<b>136</b>	--	<b>51</b>	<b>4,328</b>
Finished Motor Gasoline .....	--	3	2,399	--	-4	68	10	--	1	2,456
Reformulated .....	--	--	343	--	--	35	--	--	--	378
Conventional .....	--	3	2,056	--	-4	33	10	--	1	2,078
Finished Aviation Gasoline .....	--	--	2	0	4	--	0	--	--	5
Kerosene-Type Jet Fuel .....	--	--	251	--	24	--	11	--	24	240
Kerosene .....	--	--	4	--	--	--	-1	--	0	5
Distillate Fuel Oil .....	--	--	1,092	3	78	12	85	--	10	1,091
15 ppm sulfur and under .....	--	--	1,096	3	77	12	92	--	0	1,096
Greater than 15 ppm to 500 ppm sulfur .....	--	--	5	--	2	--	-2	--	8	1
Greater than 500 ppm sulfur .....	--	--	-9	0	-1	--	-6	--	3	-6
Residual Fuel Oil <sup>6</sup> .....	--	--	58	4	-27	--	-1	--	6	30
Less than 0.31 percent sulfur .....	--	--	3	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	8	1	-2	--	-3	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	47	3	-25	--	1	--	NA	NA
Petrochemical Feedstocks .....	--	--	35	5	-4	--	3	--	--	33
Naphtha for Petro. Feed. Use .....	--	--	27	3	-3	--	3	--	--	25
Other Oils for Petro. Feed. Use .....	--	--	8	3	-2	--	0	--	--	9
Special Naphthas .....	--	--	1	1	1	--	-1	--	--	5
Lubricants .....	--	--	7	7	6	--	-2	--	5	17
Waxes .....	--	--	1	0	--	--	0	--	1	0
Petroleum Coke .....	--	--	199	0	--	--	1	--	1	197
Marketable .....	--	--	150	0	--	--	1	--	1	148
Catalyst .....	--	--	49	--	--	--	--	--	--	49
Asphalt and Road Oil .....	--	--	118	6	0	--	32	--	3	90
Still Gas .....	--	--	141	--	--	--	--	--	--	141
Miscellaneous Products .....	--	--	17	--	1	--	0	--	0	18
<b>Total</b> .....	<b>2,284</b>	<b>996</b>	<b>4,348</b>	<b>2,805</b>	<b>-884</b>	<b>58</b>	<b>101</b>	<b>4,111</b>	<b>426</b>	<b>4,968</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 13. PAD District 3 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January 2017**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil<sup>6</sup></b>	<b>173,150</b>	<b>--</b>	<b>--</b>	<b>105,578</b>	<b>12,145</b>	<b>2,111</b>	<b>18,241</b>	<b>259,996</b>	<b>14,747</b>	<b>0</b>	<b>959,106</b>
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b>	<b>57,401</b>	<b>-18</b>	<b>9,219</b>	<b>640</b>	<b>13,032</b>	<b>--</b>	<b>-23,170</b>	<b>10,762</b>	<b>33,302</b>	<b>59,380</b>	<b>116,859</b>
Pentanes Plus	5,971	-18	--	630	-3,890	--	-889	2,907	46	629	14,329
Liquefied Petroleum Gases	51,430	--	9,219	10	16,922	--	-22,281	7,855	33,257	58,750	102,530
Ethane/Ethylene	23,917	--	65	--	9,084	--	-1,376	--	1,086	33,356	46,072
Propane/Propylene	17,895	--	11,270	10	7,107	--	-17,019	--	30,836	22,465	36,001
Normal Butane/Butylene	3,506	--	-1,877	--	483	--	-3,849	4,253	1,222	486	15,159
Isobutane/Isobutylene	6,112	--	-239	--	248	--	-37	3,602	113	2,443	5,298
<b>Other Liquids</b>	<b>--</b>	<b>3,213</b>	<b>--</b>	<b>15,677</b>	<b>-50,923</b>	<b>-1,141</b>	<b>8,922</b>	<b>-55,242</b>	<b>11,360</b>	<b>1,787</b>	<b>128,774</b>
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	3,213	--	823	6,723	2,766	888	8,615	4,022	0	7,961
Hydrogen	--	--	--	--	--	3,851	--	3,851	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	2,297	--	418	--	-549	52	76	2,038	0	1,529
Renewable Fuels (including Fuel Ethanol)	--	916	--	394	6,723	-525	836	4,688	1,984	0	6,432
Fuel Ethanol	--	514	--	394	6,521	-592	678	4,200	1,959	0	4,003
Renewable Fuels Except Fuel Ethanol	--	402	--	--	202	67	158	488	25	0	2,429
Other Hydrocarbons	--	--	--	11	--	-11	--	--	--	0	--
Unfinished Oils	--	--	--	13,301	375	--	4,151	3,246	4,484	1,795	45,723
Motor Gasoline Blend. Comp. (MGBC)	--	--	--	1,553	-58,021	-3,907	3,882	-67,110	2,853	0	75,080
Reformulated	--	--	--	--	-11,831	4,540	-468	-6,834	11	0	11,187
Conventional	--	--	--	1,553	-46,190	-8,446	4,350	-60,276	2,843	0	63,893
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	1	7	--	-8	10
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>224,941</b>	<b>3,674</b>	<b>-51,653</b>	<b>4,599</b>	<b>-2,202</b>	<b>--</b>	<b>77,233</b>	<b>106,530</b>	<b>121,590</b>
Finished Motor Gasoline	--	--	67,198	--	-6,646	4,499	-409	--	21,847	43,613	11,065
Reformulated	--	--	13,438	--	--	-5,230	--	--	--	8,208	--
Conventional	--	--	53,760	--	-6,646	9,728	-409	--	21,847	35,404	11,065
Finished Aviation Gasoline	--	--	250	--	-1,038	--	-34	--	--	-754	383
Kerosene-Type Jet Fuel	--	--	25,538	--	-14,512	--	95	--	3,751	7,180	15,161
Kerosene	--	--	223	--	--	--	1	--	50	172	247
Distillate Fuel Oil	--	--	81,836	191	-29,269	100	-365	--	30,685	22,538	48,427
15 ppm sulfur and under	--	--	74,158	--	-26,727	100	-341	--	26,345	21,527	42,042
Greater than 15 ppm to 500 ppm sulfur	--	--	3,139	--	-155	--	266	--	3,781	-1,063	1,763
Greater than 500 ppm sulfur	--	--	4,539	191	-2,387	--	-290	--	559	2,074	4,622
Residual Fuel Oil <sup>7</sup>	--	--	6,227	1,457	844	--	-680	--	5,577	3,631	23,676
Less than 0.31 percent sulfur	--	--	971	250	--	--	-413	--	NA	NA	1,858
0.31 to 1.00 percent sulfur	--	--	517	--	69	--	-348	--	NA	NA	4,941
Greater than 1.00 percent sulfur	--	--	4,739	1,207	775	--	81	--	NA	NA	16,877
Petrochemical Feedstocks	--	--	8,057	446	152	--	-168	--	--	8,823	2,379
Naphtha for Petro. Feed. Use	--	--	5,536	433	82	--	110	--	--	5,941	1,570
Other Oils for Petro. Feed. Use	--	--	2,521	13	70	--	-278	--	--	2,882	809
Special Naphthas	--	--	918	477	-44	--	16	--	--	1,335	1,022
Lubricants	--	--	4,131	937	-727	--	-615	--	3,452	1,504	9,214
Waxes	--	--	112	11	--	--	-1	--	14	110	249
Petroleum Coke	--	--	16,072	155	--	--	-22	--	11,431	4,818	4,526
Marketable	--	--	12,441	155	--	--	-22	--	11,431	1,187	4,526
Catalyst	--	--	3,631	--	--	--	--	--	--	3,631	--
Asphalt and Road Oil	--	--	1,644	--	-393	--	-61	--	306	1,006	4,776
Still Gas	--	--	10,929	--	--	--	--	--	--	10,929	--
Miscellaneous Products	--	--	1,806	--	-20	--	41	--	119	1,626	465
<b>Total</b>	<b>230,551</b>	<b>3,195</b>	<b>234,160</b>	<b>125,569</b>	<b>-77,398</b>	<b>5,569</b>	<b>1,791</b>	<b>215,516</b>	<b>136,642</b>	<b>167,697</b>	<b>1,326,329</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks.

Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 14. PAD District 3 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-January 2017**  
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	Ending Stocks
<b>Crude Oil<sup>6</sup></b>	<b>173,150</b>	<b>--</b>	<b>--</b>	<b>105,578</b>	<b>12,145</b>	<b>2,111</b>	<b>18,241</b>	<b>259,996</b>	<b>14,747</b>	<b>0</b>	<b>959,106</b>
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b>	<b>57,401</b>	<b>-18</b>	<b>9,219</b>	<b>640</b>	<b>13,032</b>	<b>--</b>	<b>-23,170</b>	<b>10,762</b>	<b>33,302</b>	<b>59,380</b>	<b>116,859</b>
Pentanes Plus	5,971	-18	--	630	-3,890	--	-889	2,907	46	629	14,329
Liquefied Petroleum Gases	51,430	--	9,219	10	16,922	--	-22,281	7,855	33,257	58,750	102,530
Ethane/Ethylene	23,917	--	65	--	9,084	--	-1,376	--	1,086	33,356	46,072
Propane/Propylene	17,895	--	11,270	10	7,107	--	-17,019	--	30,836	22,465	36,001
Normal Butane/Butylene	3,506	--	-1,877	--	483	--	-3,849	4,253	1,222	486	15,159
Isobutane/Isobutylene	6,112	--	-239	--	248	--	-37	3,602	113	2,443	5,298
<b>Other Liquids</b>	<b>--</b>	<b>3,213</b>	<b>--</b>	<b>15,677</b>	<b>-50,923</b>	<b>-1,141</b>	<b>8,922</b>	<b>-55,242</b>	<b>11,360</b>	<b>1,787</b>	<b>128,774</b>
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	3,213	--	823	6,723	2,766	888	8,615	4,022	0	7,961
Hydrogen	--	--	--	--	--	3,851	--	3,851	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	2,297	--	418	--	-549	52	76	2,038	0	1,529
Renewable Fuels (including Fuel Ethanol)	--	916	--	394	6,723	-525	836	4,688	1,984	0	6,432
Fuel Ethanol	--	514	--	394	6,521	-592	678	4,200	1,959	0	4,003
Renewable Fuels Except Fuel Ethanol	--	402	--	--	202	67	158	488	25	0	2,429
Other Hydrocarbons	--	--	--	11	--	-11	--	--	--	0	--
Unfinished Oils	--	--	--	13,301	375	--	4,151	3,246	4,484	1,795	45,723
Motor Gasoline Blend. Comp. (MGBC)	--	--	--	1,553	-58,021	-3,907	3,882	-67,110	2,853	0	75,080
Reformulated	--	--	--	--	-11,831	4,540	-468	-6,834	11	0	11,187
Conventional	--	--	--	1,553	-46,190	-8,446	4,350	-60,276	2,843	0	63,893
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	1	7	--	-8	10
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>224,941</b>	<b>3,674</b>	<b>-51,653</b>	<b>4,599</b>	<b>-2,202</b>	<b>--</b>	<b>77,233</b>	<b>106,530</b>	<b>121,590</b>
Finished Motor Gasoline	--	--	67,198	--	-6,646	4,499	-409	--	21,847	43,613	11,065
Reformulated	--	--	13,438	--	--	-5,230	--	--	--	8,208	--
Conventional	--	--	53,760	--	-6,646	9,728	-409	--	21,847	35,404	11,065
Finished Aviation Gasoline	--	--	250	--	-1,038	--	-34	--	--	-754	383
Kerosene-Type Jet Fuel	--	--	25,538	--	-14,512	--	95	--	3,751	7,180	15,161
Kerosene	--	--	223	--	--	--	1	--	50	172	247
Distillate Fuel Oil	--	--	81,836	191	-29,269	100	-365	--	30,685	22,538	48,427
15 ppm sulfur and under	--	--	74,158	--	-26,727	100	-341	--	26,345	21,527	42,042
Greater than 15 ppm to 500 ppm sulfur	--	--	3,139	--	-155	--	266	--	3,781	-1,063	1,763
Greater than 500 ppm sulfur	--	--	4,539	191	-2,387	--	-290	--	559	2,074	4,622
Residual Fuel Oil <sup>7</sup>	--	--	6,227	1,457	844	--	-680	--	5,577	3,631	23,676
Less than 0.31 percent sulfur	--	--	971	250	--	--	-413	--	NA	NA	1,858
0.31 to 1.00 percent sulfur	--	--	517	--	69	--	-348	--	NA	NA	4,941
Greater than 1.00 percent sulfur	--	--	4,739	1,207	775	--	81	--	NA	NA	16,877
Petrochemical Feedstocks	--	--	8,057	446	152	--	-168	--	--	8,823	2,379
Naphtha for Petro. Feed. Use	--	--	5,536	433	82	--	110	--	--	5,941	1,570
Other Oils for Petro. Feed. Use	--	--	2,521	13	70	--	-278	--	--	2,882	809
Special Naphthas	--	--	918	477	-44	--	16	--	--	1,335	1,022
Lubricants	--	--	4,131	937	-727	--	-615	--	3,452	1,504	9,214
Waxes	--	--	112	11	--	--	-1	--	14	110	249
Petroleum Coke	--	--	16,072	155	--	--	-22	--	11,431	4,818	4,526
Marketable	--	--	12,441	155	--	--	-22	--	11,431	1,187	4,526
Catalyst	--	--	3,631	--	--	--	--	--	--	3,631	--
Asphalt and Road Oil	--	--	1,644	--	-393	--	-61	--	306	1,006	4,776
Still Gas	--	--	10,929	--	--	--	--	--	--	10,929	--
Miscellaneous Products	--	--	1,806	--	-20	--	41	--	119	1,626	465
<b>Total</b>	<b>230,551</b>	<b>3,195</b>	<b>234,160</b>	<b>125,569</b>	<b>-77,398</b>	<b>5,569</b>	<b>1,791</b>	<b>215,516</b>	<b>136,642</b>	<b>167,697</b>	<b>1,326,329</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 15. PAD District 3 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January 2017**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil<sup>6</sup></b>	<b>5,585</b>	--	--	<b>3,406</b>	<b>392</b>	<b>68</b>	<b>588</b>	<b>8,387</b>	<b>476</b>	<b>0</b>
<b>Natural Gas Plant Liquids and Liquefied</b>										
<b>Refinery Gases</b>	<b>1,852</b>	<b>-1</b>	<b>297</b>	<b>21</b>	<b>420</b>	--	<b>-747</b>	<b>347</b>	<b>1,074</b>	<b>1,915</b>
Pentanes Plus	193	-1	--	20	-125	--	-29	94	1	20
Liquefied Petroleum Gases	1,659	--	297	0	546	--	-719	253	1,073	1,895
Ethane/Ethylene	772	--	2	--	293	--	-44	--	35	1,076
Propane/Propylene	577	--	364	0	229	--	-549	--	995	725
Normal Butane/Butylene	113	--	-61	--	16	--	-124	137	39	16
Isobutane/Isobutylene	197	--	-8	--	8	--	-1	116	4	79
<b>Other Liquids</b>	--	<b>104</b>	--	<b>506</b>	<b>-1,643</b>	<b>-37</b>	<b>288</b>	<b>-1,782</b>	<b>366</b>	<b>58</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	104	--	27	217	89	29	278	130	0
Hydrogen	--	--	--	--	--	124	--	124	--	0
Oxygenates (excluding Fuel Ethanol)	--	74	--	13	--	-18	2	2	66	0
Renewable Fuels (including Fuel Ethanol)	--	30	--	13	217	-17	27	151	64	0
Fuel Ethanol	--	17	--	13	210	-19	22	135	63	0
Renewable Fuels Except Fuel Ethanol	--	13	--	--	7	2	5	16	1	0
Other Hydrocarbons	--	--	--	0	--	0	--	--	--	0
Unfinished Oils	--	--	--	429	12	--	134	105	145	58
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	50	-1,872	-126	125	-2,165	92	0
Reformulated	--	--	--	--	-382	146	-15	-220	0	0
Conventional	--	--	--	50	-1,490	-272	140	-1,944	92	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b>	--	--	<b>7,256</b>	<b>119</b>	<b>-1,666</b>	<b>148</b>	<b>-71</b>	--	<b>2,491</b>	<b>3,436</b>
Finished Motor Gasoline	--	--	2,168	--	-214	145	-13	--	705	1,407
Reformulated	--	--	433	--	--	-169	--	--	--	265
Conventional	--	--	1,734	--	-214	314	-13	--	705	1,142
Finished Aviation Gasoline	--	--	8	--	-33	--	-1	--	--	-24
Kerosene-Type Jet Fuel	--	--	824	--	-468	--	3	--	121	232
Kerosene	--	--	7	--	--	--	0	--	2	6
Distillate Fuel Oil	--	--	2,640	6	-944	3	-12	--	990	727
15 ppm sulfur and under	--	--	2,392	--	-862	3	-11	--	850	694
Greater than 15 ppm to 500 ppm sulfur	--	--	101	--	-5	--	9	--	122	-34
Greater than 500 ppm sulfur	--	--	146	6	-77	--	-9	--	18	67
Residual Fuel Oil <sup>7</sup>	--	--	201	47	27	--	-22	--	180	117
Less than 0.31 percent sulfur	--	--	31	8	--	--	-13	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	17	--	2	--	-11	--	NA	NA
Greater than 1.00 percent sulfur	--	--	153	39	25	--	3	--	NA	NA
Petrochemical Feedstocks	--	--	260	14	5	--	-5	--	--	285
Naphtha for Petro. Feed. Use	--	--	179	14	3	--	4	--	--	192
Other Oils for Petro. Feed. Use	--	--	81	0	2	--	-9	--	--	93
Special Naphthas	--	--	30	15	-1	--	1	--	--	43
Lubricants	--	--	133	30	-23	--	-20	--	111	49
Waxes	--	--	4	0	--	--	0	--	0	4
Petroleum Coke	--	--	518	5	--	--	-1	--	369	155
Marketable	--	--	401	5	--	--	-1	--	369	38
Catalyst	--	--	117	--	--	--	--	--	--	117
Asphalt and Road Oil	--	--	53	--	-13	--	-2	--	10	32
Still Gas	--	--	353	--	--	--	--	--	--	353
Miscellaneous Products	--	--	58	--	-1	--	1	--	4	52
<b>Total</b>	<b>7,437</b>	<b>103</b>	<b>7,554</b>	<b>4,051</b>	<b>-2,497</b>	<b>180</b>	<b>58</b>	<b>6,952</b>	<b>4,408</b>	<b>5,410</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 16. PAD District 3 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-January 2017**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil<sup>6</sup></b>	<b>5,585</b>	--	--	<b>3,406</b>	<b>392</b>	<b>68</b>	<b>588</b>	<b>8,387</b>	<b>476</b>	<b>0</b>
<b>Natural Gas Plant Liquids and Liquefied</b>										
<b>Refinery Gases</b>	<b>1,852</b>	<b>-1</b>	<b>297</b>	<b>21</b>	<b>420</b>	--	<b>-747</b>	<b>347</b>	<b>1,074</b>	<b>1,915</b>
Pentanes Plus	193	-1	--	20	-125	--	-29	94	1	20
Liquefied Petroleum Gases	1,659	--	297	0	546	--	-719	253	1,073	1,895
Ethane/Ethylene	772	--	2	--	293	--	-44	--	35	1,076
Propane/Propylene	577	--	364	0	229	--	-549	--	995	725
Normal Butane/Butylene	113	--	-61	--	16	--	-124	137	39	16
Isobutane/Isobutylene	197	--	-8	--	8	--	-1	116	4	79
<b>Other Liquids</b>	--	<b>104</b>	--	<b>506</b>	<b>-1,643</b>	<b>-37</b>	<b>288</b>	<b>-1,782</b>	<b>366</b>	<b>58</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	104	--	27	217	89	29	278	130	0
Hydrogen	--	--	--	--	--	124	--	124	--	0
Oxygenates (excluding Fuel Ethanol)	--	74	--	13	--	-18	2	2	66	0
Renewable Fuels (including Fuel Ethanol)	--	30	--	13	217	-17	27	151	64	0
Fuel Ethanol	--	17	--	13	210	-19	22	135	63	0
Renewable Fuels Except Fuel Ethanol	--	13	--	--	7	2	5	16	1	0
Other Hydrocarbons	--	--	--	0	--	0	--	--	--	0
Unfinished Oils	--	--	--	429	12	--	134	105	145	58
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	50	-1,872	-126	125	-2,165	92	0
Reformulated	--	--	--	--	-382	146	-15	-220	0	0
Conventional	--	--	--	50	-1,490	-272	140	-1,944	92	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b>	--	--	<b>7,256</b>	<b>119</b>	<b>-1,666</b>	<b>148</b>	<b>-71</b>	--	<b>2,491</b>	<b>3,436</b>
Finished Motor Gasoline	--	--	2,168	--	-214	145	-13	--	705	1,407
Reformulated	--	--	433	--	--	-169	--	--	--	265
Conventional	--	--	1,734	--	-214	314	-13	--	705	1,142
Finished Aviation Gasoline	--	--	8	--	-33	--	-1	--	--	-24
Kerosene-Type Jet Fuel	--	--	824	--	-468	--	3	--	121	232
Kerosene	--	--	7	--	--	--	0	--	2	6
Distillate Fuel Oil	--	--	2,640	6	-944	3	-12	--	990	727
15 ppm sulfur and under	--	--	2,392	--	-862	3	-11	--	850	694
Greater than 15 ppm to 500 ppm sulfur	--	--	101	--	-5	--	9	--	122	-34
Greater than 500 ppm sulfur	--	--	146	6	-77	--	-9	--	18	67
Residual Fuel Oil <sup>7</sup>	--	--	201	47	27	--	-22	--	180	117
Less than 0.31 percent sulfur	--	--	31	8	--	--	-13	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	17	--	2	--	-11	--	NA	NA
Greater than 1.00 percent sulfur	--	--	153	39	25	--	3	--	NA	NA
Petrochemical Feedstocks	--	--	260	14	5	--	-5	--	--	285
Naphtha for Petro. Feed. Use	--	--	179	14	3	--	4	--	--	192
Other Oils for Petro. Feed. Use	--	--	81	0	2	--	-9	--	--	93
Special Naphthas	--	--	30	15	-1	--	1	--	--	43
Lubricants	--	--	133	30	-23	--	-20	--	111	49
Waxes	--	--	4	0	--	--	0	--	0	4
Petroleum Coke	--	--	518	5	--	--	-1	--	369	155
Marketable	--	--	401	5	--	--	-1	--	369	38
Catalyst	--	--	117	--	--	--	--	--	--	117
Asphalt and Road Oil	--	--	53	--	-13	--	-2	--	10	32
Still Gas	--	--	353	--	--	--	--	--	--	353
Miscellaneous Products	--	--	58	--	-1	--	1	--	4	52
<b>Total</b>	<b>7,437</b>	<b>103</b>	<b>7,554</b>	<b>4,051</b>	<b>-2,497</b>	<b>180</b>	<b>58</b>	<b>6,952</b>	<b>4,408</b>	<b>5,410</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 17. PAD District 4 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January 2017**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b> .....	<b>19,309</b>	<b>--</b>	<b>--</b>	<b>12,040</b>	<b>-11,885</b>	<b>-1,010</b>	<b>-604</b>	<b>19,014</b>	<b>44</b>	<b>0</b>	<b>22,716</b>
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b> .....	<b>10,623</b>	<b>-10</b>	<b>98</b>	<b>548</b>	<b>-9,383</b>	<b>--</b>	<b>-677</b>	<b>662</b>	<b>554</b>	<b>1,337</b>	<b>2,668</b>
Pentanes Plus .....	1,696	-10	--	--	-1,313	--	1	100	541	-269	305
Liquefied Petroleum Gases .....	8,927	--	98	548	-8,070	--	-678	562	14	1,606	2,363
Ethane/Ethylene .....	2,432	--	--	--	-2,340	--	18	--	--	74	454
Propane/Propylene .....	4,140	--	305	541	-3,415	--	-302	--	0	1,873	1,051
Normal Butane/Butylene .....	1,590	--	-232	--	-1,529	--	-391	376	14	-169	603
Isobutane/Isobutylene .....	765	--	25	7	-786	--	-3	186	--	-172	255
<b>Other Liquids</b> .....	<b>--</b>	<b>443</b>	<b>--</b>	<b>12</b>	<b>-222</b>	<b>-169</b>	<b>919</b>	<b>-952</b>	<b>19</b>	<b>78</b>	<b>9,787</b>
Hydrogen/Oxygenates/Renewables/ .....	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons .....	--	443	--	6	304	344	21	1,076	0	0	388
Hydrogen .....	--	--	--	--	--	225	--	225	--	0	--
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	--	443	--	6	304	119	21	851	0	0	388
Fuel Ethanol .....	--	443	--	--	285	118	23	823	--	0	376
Renewable Fuels Except Fuel Ethanol .....	--	--	--	6	19	1	-2	28	0	0	12
Other Hydrocarbons .....	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils .....	--	--	--	--	--	--	70	-167	19	78	2,899
Motor Gasoline Blend.Comp. (MGBC) .....	--	--	--	6	-526	-513	828	-1,861	--	0	6,500
Reformulated .....	--	--	--	--	--	--	--	--	--	--	--
Conventional .....	--	--	--	--	-526	-513	828	-1,861	--	0	6,500
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b> .....	<b>--</b>	<b>--</b>	<b>19,618</b>	<b>77</b>	<b>-503</b>	<b>394</b>	<b>232</b>	<b>--</b>	<b>30</b>	<b>19,323</b>	<b>9,225</b>
Finished Motor Gasoline .....	--	--	8,985	--	-539	395	-120	--	--	8,961	2,118
Reformulated .....	--	--	--	--	--	--	--	--	--	--	--
Conventional .....	--	--	8,985	--	-539	395	-120	--	--	8,961	2,118
Finished Aviation Gasoline .....	--	--	2	--	--	--	1	--	--	1	10
Kerosene-Type Jet Fuel .....	--	--	1,009	8	680	--	18	--	--	1,679	618
Kerosene .....	--	--	2	--	--	--	1	--	--	1	2
Distillate Fuel Oil .....	--	--	6,406	10	-644	-1	-166	--	--	5,937	4,150
15 ppm sulfur and under .....	--	--	6,341	10	-672	-1	-189	--	--	5,867	3,853
Greater than 15 ppm to 500 ppm sulfur .....	--	--	35	--	--	--	-9	--	--	44	211
Greater than 500 ppm sulfur .....	--	--	30	--	28	--	32	--	--	26	86
Residual Fuel Oil <sup>6</sup> .....	--	--	349	--	--	--	35	--	17	297	259
Less than 0.31 percent sulfur .....	--	--	220	--	--	--	4	--	NA	NA	38
0.31 to 1.00 percent sulfur .....	--	--	12	--	--	--	0	--	NA	NA	4
Greater than 1.00 percent sulfur .....	--	--	117	--	--	--	31	--	NA	NA	217
Petrochemical Feedstocks .....	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use .....	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use .....	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas .....	--	--	--	--	--	--	--	--	--	--	--
Lubricants .....	--	--	--	--	--	--	--	--	11	-11	--
Waxes .....	--	--	--	--	--	--	--	--	0	0	--
Petroleum Coke .....	--	--	816	--	--	--	25	--	0	791	169
Marketable .....	--	--	563	--	--	--	25	--	0	538	169
Catalyst .....	--	--	253	--	--	--	--	--	--	253	--
Asphalt and Road Oil .....	--	--	1,176	58	--	--	436	--	2	796	1,880
Still Gas .....	--	--	757	--	--	--	--	--	--	757	--
Miscellaneous Products .....	--	--	116	1	--	--	2	--	--	115	19
<b>Total</b> .....	<b>29,932</b>	<b>433</b>	<b>19,716</b>	<b>12,677</b>	<b>-21,992</b>	<b>-785</b>	<b>-130</b>	<b>18,724</b>	<b>648</b>	<b>20,738</b>	<b>44,396</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as "Unaccounted For Crude Oil." Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 18. PAD District 4 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-January 2017**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b> .....	<b>19,309</b>	<b>--</b>	<b>--</b>	<b>12,040</b>	<b>-11,885</b>	<b>-1,010</b>	<b>-604</b>	<b>19,014</b>	<b>44</b>	<b>0</b>	<b>22,716</b>
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b> .....	<b>10,623</b>	<b>-10</b>	<b>98</b>	<b>548</b>	<b>-9,383</b>	<b>--</b>	<b>-677</b>	<b>662</b>	<b>554</b>	<b>1,337</b>	<b>2,668</b>
Pentanes Plus .....	1,696	-10	--	--	-1,313	--	1	100	541	-269	305
Liquefied Petroleum Gases .....	8,927	--	98	548	-8,070	--	-678	562	14	1,606	2,363
Ethane/Ethylene .....	2,432	--	--	--	-2,340	--	18	--	--	74	454
Propane/Propylene .....	4,140	--	305	541	-3,415	--	-302	--	0	1,873	1,051
Normal Butane/Butylene .....	1,590	--	-232	--	-1,529	--	-391	376	14	-169	603
Isobutane/Isobutylene .....	765	--	25	7	-786	--	-3	186	--	-172	255
<b>Other Liquids</b> .....	<b>--</b>	<b>443</b>	<b>--</b>	<b>12</b>	<b>-222</b>	<b>-169</b>	<b>919</b>	<b>-952</b>	<b>19</b>	<b>78</b>	<b>9,787</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	--	443	--	6	304	344	21	1,076	0	0	388
Hydrogen .....	--	--	--	--	--	225	--	225	--	0	--
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	--	443	--	6	304	119	21	851	0	0	388
Fuel Ethanol .....	--	443	--	--	285	118	23	823	--	0	376
Renewable Fuels Except Fuel Ethanol .....	--	--	--	6	19	1	-2	28	0	0	12
Other Hydrocarbons .....	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils .....	--	--	--	--	--	--	70	-167	19	78	2,899
Motor Gasoline Blend.Comp. (MGBC) .....	--	--	--	6	-526	-513	828	-1,861	--	0	6,500
Reformulated .....	--	--	--	--	--	--	--	--	--	--	--
Conventional .....	--	--	--	--	-526	-513	828	-1,861	--	0	6,500
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b> .....	<b>--</b>	<b>--</b>	<b>19,618</b>	<b>77</b>	<b>-503</b>	<b>394</b>	<b>232</b>	<b>--</b>	<b>30</b>	<b>19,323</b>	<b>9,225</b>
Finished Motor Gasoline .....	--	--	8,985	--	-539	395	-120	--	--	8,961	2,118
Reformulated .....	--	--	--	--	--	--	--	--	--	--	--
Conventional .....	--	--	8,985	--	-539	395	-120	--	--	8,961	2,118
Finished Aviation Gasoline .....	--	--	2	--	--	--	1	--	--	1	10
Kerosene-Type Jet Fuel .....	--	--	1,009	8	680	--	18	--	--	1,679	618
Kerosene .....	--	--	2	--	--	--	1	--	--	1	2
Distillate Fuel Oil .....	--	--	6,406	10	-644	-1	-166	--	--	5,937	4,150
15 ppm sulfur and under .....	--	--	6,341	10	-672	-1	-189	--	--	5,867	3,853
Greater than 15 ppm to 500 ppm sulfur .....	--	--	35	--	--	--	-9	--	--	44	211
Greater than 500 ppm sulfur .....	--	--	30	--	28	--	32	--	--	26	86
Residual Fuel Oil <sup>6</sup> .....	--	--	349	--	--	--	35	--	17	297	259
Less than 0.31 percent sulfur .....	--	--	220	--	--	--	4	--	NA	NA	38
0.31 to 1.00 percent sulfur .....	--	--	12	--	--	--	0	--	NA	NA	4
Greater than 1.00 percent sulfur .....	--	--	117	--	--	--	31	--	NA	NA	217
Petrochemical Feedstocks .....	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use .....	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use .....	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas .....	--	--	--	--	--	--	--	--	--	--	--
Lubricants .....	--	--	--	--	--	--	--	--	11	-11	--
Waxes .....	--	--	--	--	--	--	--	--	0	0	--
Petroleum Coke .....	--	--	816	--	--	--	25	--	0	791	169
Marketable .....	--	--	563	--	--	--	25	--	0	538	169
Catalyst .....	--	--	253	--	--	--	--	--	--	253	--
Asphalt and Road Oil .....	--	--	1,176	58	--	--	436	--	2	796	1,880
Still Gas .....	--	--	757	--	--	--	--	--	--	757	--
Miscellaneous Products .....	--	--	116	1	--	--	2	--	--	115	19
<b>Total</b> .....	<b>29,932</b>	<b>433</b>	<b>19,716</b>	<b>12,677</b>	<b>-21,992</b>	<b>-785</b>	<b>-130</b>	<b>18,724</b>	<b>648</b>	<b>20,738</b>	<b>44,396</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 19. PAD District 4 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January 2017**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>623</b>	--	--	<b>388</b>	<b>-383</b>	<b>-33</b>	<b>-19</b>	<b>613</b>	<b>1</b>	<b>0</b>
<b>Natural Gas Plant Liquids and Liquefied</b>										
<b>Refinery Gases</b>	<b>343</b>	<b>0</b>	<b>3</b>	<b>18</b>	<b>-303</b>	--	<b>-22</b>	<b>21</b>	<b>18</b>	<b>43</b>
Pentanes Plus	55	0	--	--	-42	--	0	3	17	-9
Liquefied Petroleum Gases	288	--	3	18	-260	--	-22	18	0	52
Ethane/Ethylene	78	--	--	--	-75	--	1	--	--	2
Propane/Propylene	134	--	10	17	-110	--	-10	--	0	60
Normal Butane/Butylene	51	--	-7	--	-49	--	-13	12	0	-5
Isobutane/Isobutylene	25	--	1	0	-25	--	0	6	--	-6
<b>Other Liquids</b>	<b>--</b>	<b>14</b>	<b>--</b>	<b>0</b>	<b>-7</b>	<b>-5</b>	<b>30</b>	<b>-31</b>	<b>1</b>	<b>3</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	14	--	0	10	11	1	35	0	0
Hydrogen	--	--	--	--	--	7	--	7	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	14	--	0	10	4	1	27	0	0
Fuel Ethanol	--	14	--	--	9	4	1	27	--	0
Renewable Fuels Except Fuel Ethanol	--	--	--	0	1	0	0	1	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	2	-5	1	3
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	0	-17	-17	27	-60	--	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-17	-17	27	-60	--	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>633</b>	<b>2</b>	<b>-16</b>	<b>13</b>	<b>7</b>	<b>--</b>	<b>1</b>	<b>623</b>
Finished Motor Gasoline	--	--	290	--	-17	13	-4	--	--	289
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	290	--	-17	13	-4	--	--	289
Finished Aviation Gasoline	--	--	0	--	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	33	0	22	--	1	--	--	54
Kerosene	--	--	0	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	207	0	-21	0	-5	--	--	192
15 ppm sulfur and under	--	--	205	0	-22	0	-6	--	--	189
Greater than 15 ppm to 500 ppm sulfur	--	--	1	--	--	--	0	--	--	1
Greater than 500 ppm sulfur	--	--	1	--	1	--	1	--	--	1
Residual Fuel Oil <sup>6</sup>	--	--	11	--	--	--	1	--	1	10
Less than 0.31 percent sulfur	--	--	7	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	0	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	4	--	--	--	1	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	26	--	--	--	1	--	0	26
Marketable	--	--	18	--	--	--	1	--	0	17
Catalyst	--	--	8	--	--	--	--	--	--	8
Asphalt and Road Oil	--	--	38	2	--	--	14	--	0	26
Still Gas	--	--	24	--	--	--	--	--	--	24
Miscellaneous Products	--	--	4	0	--	--	0	--	--	4
<b>Total</b>	<b>966</b>	<b>14</b>	<b>636</b>	<b>409</b>	<b>-709</b>	<b>-25</b>	<b>-4</b>	<b>604</b>	<b>21</b>	<b>669</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 20. PAD District 4 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-January 2017**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>623</b>	--	--	<b>388</b>	<b>-383</b>	<b>-33</b>	<b>-19</b>	<b>613</b>	<b>1</b>	<b>0</b>
<b>Natural Gas Plant Liquids and Liquefied</b>										
<b>Refinery Gases</b>	<b>343</b>	<b>0</b>	<b>3</b>	<b>18</b>	<b>-303</b>	--	<b>-22</b>	<b>21</b>	<b>18</b>	<b>43</b>
Pentanes Plus	55	0	--	--	-42	--	0	3	17	-9
Liquefied Petroleum Gases	288	--	3	18	-260	--	-22	18	0	52
Ethane/Ethylene	78	--	--	--	-75	--	1	--	--	2
Propane/Propylene	134	--	10	17	-110	--	-10	--	0	60
Normal Butane/Butylene	51	--	-7	--	-49	--	-13	12	0	-5
Isobutane/Isobutylene	25	--	1	0	-25	--	0	6	--	-6
<b>Other Liquids</b>	<b>--</b>	<b>14</b>	<b>--</b>	<b>0</b>	<b>-7</b>	<b>-5</b>	<b>30</b>	<b>-31</b>	<b>1</b>	<b>3</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	14	--	0	10	11	1	35	0	0
Hydrogen	--	--	--	--	--	7	--	7	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	14	--	0	10	4	1	27	0	0
Fuel Ethanol	--	14	--	--	9	4	1	27	--	0
Renewable Fuels Except Fuel Ethanol	--	--	--	0	1	0	0	1	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	2	-5	1	3
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	0	-17	-17	27	-60	--	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-17	-17	27	-60	--	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>633</b>	<b>2</b>	<b>-16</b>	<b>13</b>	<b>7</b>	<b>--</b>	<b>1</b>	<b>623</b>
Finished Motor Gasoline	--	--	290	--	-17	13	-4	--	--	289
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	290	--	-17	13	-4	--	--	289
Finished Aviation Gasoline	--	--	0	--	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	33	0	22	--	1	--	--	54
Kerosene	--	--	0	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	207	0	-21	0	-5	--	--	192
15 ppm sulfur and under	--	--	205	0	-22	0	-6	--	--	189
Greater than 15 ppm to 500 ppm sulfur	--	--	1	--	--	--	0	--	--	1
Greater than 500 ppm sulfur	--	--	1	--	1	--	1	--	--	1
Residual Fuel Oil <sup>6</sup>	--	--	11	--	--	--	1	--	1	10
Less than 0.31 percent sulfur	--	--	7	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	0	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	4	--	--	--	1	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	26	--	--	--	1	--	0	26
Marketable	--	--	18	--	--	--	1	--	0	17
Catalyst	--	--	8	--	--	--	--	--	--	8
Asphalt and Road Oil	--	--	38	2	--	--	14	--	0	26
Still Gas	--	--	24	--	--	--	--	--	--	24
Miscellaneous Products	--	--	4	0	--	--	0	--	--	4
<b>Total</b>	<b>966</b>	<b>14</b>	<b>636</b>	<b>409</b>	<b>-709</b>	<b>-25</b>	<b>-4</b>	<b>604</b>	<b>21</b>	<b>669</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 21. PAD District 5 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January 2017**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b> .....	<b>31,466</b>	<b>--</b>	<b>--</b>	<b>31,731</b>	<b>4,864</b>	<b>3,059</b>	<b>-2,032</b>	<b>72,727</b>	<b>425</b>	<b>0</b>	<b>49,673</b>
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b> .....	<b>2,177</b>	<b>-12</b>	<b>652</b>	<b>1,327</b>	<b>1,303</b>	<b>--</b>	<b>-1,510</b>	<b>3,538</b>	<b>557</b>	<b>2,861</b>	<b>2,888</b>
Pentanes Plus .....	1,060	-12	--	--	--	--	2	940	20	86	37
Liquefied Petroleum Gases .....	1,117	--	652	1,327	1,303	--	-1,512	2,598	537	2,775	2,851
Ethane/Ethylene .....	1	--	--	--	--	--	--	--	0	1	--
Propane/Propylene .....	331	--	1,404	1,150	263	--	-566	--	536	3,178	1,009
Normal Butane/Butylene .....	453	--	-861	160	855	--	-967	1,822	1	-249	1,349
Isobutane/Isobutylene .....	332	--	109	17	185	--	21	776	--	-154	493
<b>Other Liquids</b> .....	<b>--</b>	<b>720</b>	<b>--</b>	<b>4,614</b>	<b>9,732</b>	<b>-682</b>	<b>3,230</b>	<b>9,448</b>	<b>1,044</b>	<b>662</b>	<b>52,969</b>
Hydrogen/Oxygenates/Renewables/ .....	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons .....	--	720	--	323	4,588	515	-136	5,931	350	0	3,915
Hydrogen .....	--	--	--	--	--	930	--	930	--	0	--
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	2	--	--	2	0	--
Renewable Fuels (including Fuel Ethanol) .....	--	720	--	323	4,588	-417	-136	5,001	349	0	3,915
Fuel Ethanol .....	--	572	--	--	4,416	-223	-107	4,528	344	0	2,366
Renewable Fuels Except Fuel Ethanol .....	--	148	--	323	172	-194	-29	473	5	0	1,549
Other Hydrocarbons .....	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils .....	--	--	--	3,864	--	--	1,455	1,581	166	662	20,027
Motor Gasoline Blend.Comp. (MGBC) .....	--	--	--	427	5,144	-1,197	1,911	1,936	527	0	29,027
Reformulated .....	--	--	--	--	2,429	-443	261	1,725	0	0	14,585
Conventional .....	--	--	--	427	2,715	-754	1,650	211	527	0	14,442
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b> .....	<b>--</b>	<b>--</b>	<b>91,296</b>	<b>4,608</b>	<b>1,744</b>	<b>1,574</b>	<b>1,992</b>	<b>--</b>	<b>12,070</b>	<b>85,159</b>	<b>34,686</b>
Finished Motor Gasoline .....	--	--	47,365	169	313	1,420	-237	--	2,715	46,789	1,922
Reformulated .....	--	--	32,482	--	--	209	0	--	--	32,691	16
Conventional .....	--	--	14,883	169	313	1,211	-237	--	2,715	14,098	1,906
Finished Aviation Gasoline .....	--	--	--	--	--	--	18	--	--	-18	211
Kerosene-Type Jet Fuel .....	--	--	13,251	2,749	287	--	247	--	886	15,154	9,450
Kerosene .....	--	--	29	--	--	--	-17	--	4	42	30
Distillate Fuel Oil .....	--	--	16,489	154	1,144	154	1,306	--	3,948	12,687	14,141
15 ppm sulfur and under .....	--	--	15,889	145	1,144	154	1,416	--	2,532	13,384	13,266
Greater than 15 ppm to 500 ppm sulfur .....	--	--	252	--	--	--	-99	--	133	218	168
Greater than 500 ppm sulfur .....	--	--	348	9	--	--	-11	--	1,283	-915	707
Residual Fuel Oil <sup>6</sup> .....	--	--	4,862	1,386	--	--	283	--	479	5,486	4,761
Less than 0.31 percent sulfur .....	--	--	--	--	--	--	449	--	NA	NA	583
0.31 to 1.00 percent sulfur .....	--	--	753	--	--	--	-46	--	NA	NA	803
Greater than 1.00 percent sulfur .....	--	--	4,109	1,386	--	--	-120	--	NA	NA	3,369
Petrochemical Feedstocks .....	--	--	3	37	--	--	0	--	--	40	1
Naphtha for Petro. Feed. Use .....	--	--	3	37	--	--	0	--	--	40	1
Other Oils for Petro. Feed. Use .....	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas .....	--	--	40	--	--	--	20	--	--	20	49
Lubricants .....	--	--	321	22	--	--	-8	--	99	252	590
Waxes .....	--	--	--	7	--	--	--	--	8	-1	--
Petroleum Coke .....	--	--	4,538	23	--	--	100	--	3,913	548	1,313
Marketable .....	--	--	3,500	23	--	--	100	--	3,913	-490	1,313
Catalyst .....	--	--	1,038	--	--	--	--	--	--	1,038	--
Asphalt and Road Oil .....	--	--	543	61	--	--	265	--	19	320	2,126
Still Gas .....	--	--	3,440	--	--	--	--	--	--	3,440	--
Miscellaneous Products .....	--	--	415	--	--	--	15	--	0	400	92
<b>Total</b> .....	<b>33,643</b>	<b>708</b>	<b>91,948</b>	<b>42,280</b>	<b>17,643</b>	<b>3,950</b>	<b>1,680</b>	<b>85,713</b>	<b>14,097</b>	<b>88,682</b>	<b>140,216</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as "Unaccounted For Crude Oil." Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 22. PAD District 5 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-January 2017**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b> .....	<b>31,466</b>	--	--	<b>31,731</b>	<b>4,864</b>	<b>3,059</b>	<b>-2,032</b>	<b>72,727</b>	<b>425</b>	<b>0</b>	<b>49,673</b>
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b> .....	<b>2,177</b>	<b>-12</b>	<b>652</b>	<b>1,327</b>	<b>1,303</b>	--	<b>-1,510</b>	<b>3,538</b>	<b>557</b>	<b>2,861</b>	<b>2,888</b>
Pentanes Plus .....	1,060	-12	--	--	--	--	2	940	20	86	37
Liquefied Petroleum Gases .....	1,117	--	652	1,327	1,303	--	-1,512	2,598	537	2,775	2,851
Ethane/Ethylene .....	1	--	--	--	--	--	--	--	0	1	--
Propane/Propylene .....	331	--	1,404	1,150	263	--	-566	--	536	3,178	1,009
Normal Butane/Butylene .....	453	--	-861	160	855	--	-967	1,822	1	-249	1,349
Isobutane/Isobutylene .....	332	--	109	17	185	--	21	776	--	-154	493
<b>Other Liquids</b> .....	--	<b>720</b>	--	<b>4,614</b>	<b>9,732</b>	<b>-682</b>	<b>3,230</b>	<b>9,448</b>	<b>1,044</b>	<b>662</b>	<b>52,969</b>
Hydrogen/Oxygenates/Renewables/ .....	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons .....	--	720	--	323	4,588	515	-136	5,931	350	0	3,915
Hydrogen .....	--	--	--	--	--	930	--	930	--	0	--
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	2	--	--	2	0	--
Renewable Fuels (including Fuel Ethanol) .....	--	720	--	323	4,588	-417	-136	5,001	349	0	3,915
Fuel Ethanol .....	--	572	--	--	4,416	-223	-107	4,528	344	0	2,366
Renewable Fuels Except Fuel Ethanol .....	--	148	--	323	172	-194	-29	473	5	0	1,549
Other Hydrocarbons .....	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils .....	--	--	--	3,864	--	--	1,455	1,581	166	662	20,027
Motor Gasoline Blend.Comp. (MGBC) .....	--	--	--	427	5,144	-1,197	1,911	1,936	527	0	29,027
Reformulated .....	--	--	--	--	2,429	-443	261	1,725	0	0	14,585
Conventional .....	--	--	--	427	2,715	-754	1,650	211	527	0	14,442
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b> .....	--	--	<b>91,296</b>	<b>4,608</b>	<b>1,744</b>	<b>1,574</b>	<b>1,992</b>	--	<b>12,070</b>	<b>85,159</b>	<b>34,686</b>
Finished Motor Gasoline .....	--	--	47,365	169	313	1,420	-237	--	2,715	46,789	1,922
Reformulated .....	--	--	32,482	--	--	209	0	--	--	32,691	16
Conventional .....	--	--	14,883	169	313	1,211	-237	--	2,715	14,098	1,906
Finished Aviation Gasoline .....	--	--	--	--	--	--	18	--	--	-18	211
Kerosene-Type Jet Fuel .....	--	--	13,251	2,749	287	--	247	--	886	15,154	9,450
Kerosene .....	--	--	29	--	--	--	-17	--	4	42	30
Distillate Fuel Oil .....	--	--	16,489	154	1,144	154	1,306	--	3,948	12,687	14,141
15 ppm sulfur and under .....	--	--	15,889	145	1,144	154	1,416	--	2,532	13,384	13,266
Greater than 15 ppm to 500 ppm sulfur .....	--	--	252	--	--	--	-99	--	133	218	168
Greater than 500 ppm sulfur .....	--	--	348	9	--	--	-11	--	1,283	-915	707
Residual Fuel Oil <sup>6</sup> .....	--	--	4,862	1,386	--	--	283	--	479	5,486	4,761
Less than 0.31 percent sulfur .....	--	--	--	--	--	--	449	--	NA	NA	583
0.31 to 1.00 percent sulfur .....	--	--	753	--	--	--	-46	--	NA	NA	803
Greater than 1.00 percent sulfur .....	--	--	4,109	1,386	--	--	-120	--	NA	NA	3,369
Petrochemical Feedstocks .....	--	--	3	37	--	--	0	--	--	40	1
Naphtha for Petro. Feed. Use .....	--	--	3	37	--	--	0	--	--	40	1
Other Oils for Petro. Feed. Use .....	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas .....	--	--	40	--	--	--	20	--	--	20	49
Lubricants .....	--	--	321	22	--	--	-8	--	99	252	590
Waxes .....	--	--	--	7	--	--	--	--	8	-1	--
Petroleum Coke .....	--	--	4,538	23	--	--	100	--	3,913	548	1,313
Marketable .....	--	--	3,500	23	--	--	100	--	3,913	-490	1,313
Catalyst .....	--	--	1,038	--	--	--	--	--	--	1,038	--
Asphalt and Road Oil .....	--	--	543	61	--	--	265	--	19	320	2,126
Still Gas .....	--	--	3,440	--	--	--	--	--	--	3,440	--
Miscellaneous Products .....	--	--	415	--	--	--	15	--	0	400	92
<b>Total</b> .....	<b>33,643</b>	<b>708</b>	<b>91,948</b>	<b>42,280</b>	<b>17,643</b>	<b>3,950</b>	<b>1,680</b>	<b>85,713</b>	<b>14,097</b>	<b>88,682</b>	<b>140,216</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks.

Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 23. PAD District 5 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January 2017**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b> .....	1,015	--	--	1,024	157	99	-66	2,346	14	0
<b>Natural Gas Plant Liquids and Liquefied</b>										
<b>Refinery Gases</b> .....	70	0	21	43	42	--	-49	114	18	92
Pentanes Plus .....	34	0	--	--	--	--	0	30	1	3
Liquefied Petroleum Gases .....	36	--	21	43	42	--	-49	84	17	90
Ethane/Ethylene .....	0	--	--	--	--	--	--	--	0	0
Propane/Propylene .....	11	--	45	37	8	--	-18	--	17	103
Normal Butane/Butylene .....	15	--	-28	5	28	--	-31	59	0	-8
Isobutane/Isobutylene .....	11	--	4	1	6	--	1	25	--	-5
<b>Other Liquids</b> .....	--	23	--	149	314	-22	104	305	34	21
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons .....	--	23	--	10	148	17	-4	191	11	0
Hydrogen .....	--	--	--	--	--	30	--	30	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol) ...	--	23	--	10	148	-13	-4	161	11	0
Fuel Ethanol .....	--	18	--	--	142	-7	-3	146	11	0
Renewable Fuels Except Fuel Ethanol .....	--	5	--	10	6	-6	-1	15	0	0
Other Hydrocarbons .....	--	--	--	--	--	--	--	--	--	--
Unfinished Oils .....	--	--	--	125	--	--	47	51	5	21
Motor Gasoline Blend.Comp. (MGBC) .....	--	--	--	14	166	-39	62	62	17	0
Reformulated .....	--	--	--	--	78	-14	8	56	0	0
Conventional .....	--	--	--	14	88	-24	53	7	17	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b> .....	--	--	2,945	149	56	51	64	--	389	2,747
Finished Motor Gasoline .....	--	--	1,528	5	10	46	-8	--	88	1,509
Reformulated .....	--	--	1,048	--	--	7	0	--	--	1,055
Conventional .....	--	--	480	5	10	39	-8	--	88	455
Finished Aviation Gasoline .....	--	--	--	--	--	--	1	--	--	-1
Kerosene-Type Jet Fuel .....	--	--	427	89	9	--	8	--	29	489
Kerosene .....	--	--	1	--	--	--	-1	--	0	1
Distillate Fuel Oil .....	--	--	532	5	37	5	42	--	127	409
15 ppm sulfur and under .....	--	--	513	5	37	5	46	--	82	432
Greater than 15 ppm to 500 ppm sulfur .....	--	--	8	--	--	--	-3	--	4	7
Greater than 500 ppm sulfur .....	--	--	11	0	--	--	0	--	41	-30
Residual Fuel Oil <sup>6</sup> .....	--	--	157	45	--	--	9	--	15	177
Less than 0.31 percent sulfur .....	--	--	--	--	--	--	14	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	24	--	--	--	-1	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	133	45	--	--	-4	--	NA	NA
Petrochemical Feedstocks .....	--	--	0	1	--	--	0	--	--	1
Naphtha for Petro. Feed. Use .....	--	--	0	1	--	--	0	--	--	1
Other Oils for Petro. Feed. Use .....	--	--	--	--	--	--	--	--	--	--
Special Naphthas .....	--	--	1	--	--	--	1	--	--	1
Lubricants .....	--	--	10	1	--	--	0	--	3	8
Waxes .....	--	--	--	0	--	--	--	--	0	0
Petroleum Coke .....	--	--	146	1	--	--	3	--	126	18
Marketable .....	--	--	113	1	--	--	3	--	126	-16
Catalyst .....	--	--	33	--	--	--	--	--	--	33
Asphalt and Road Oil .....	--	--	18	2	--	--	9	--	1	10
Still Gas .....	--	--	111	--	--	--	--	--	--	111
Miscellaneous Products .....	--	--	13	--	--	--	0	--	0	13
<b>Total</b> .....	1,085	23	2,966	1,364	569	127	54	2,765	455	2,861

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 24. PAD District 5 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-January 2017**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>1,015</b>	<b>--</b>	<b>--</b>	<b>1,024</b>	<b>157</b>	<b>99</b>	<b>-66</b>	<b>2,346</b>	<b>14</b>	<b>0</b>
<b>Natural Gas Plant Liquids and Liquefied</b>										
<b>Refinery Gases</b>	<b>70</b>	<b>0</b>	<b>21</b>	<b>43</b>	<b>42</b>	<b>--</b>	<b>-49</b>	<b>114</b>	<b>18</b>	<b>92</b>
Pentanes Plus	34	0	--	--	--	--	0	30	1	3
Liquefied Petroleum Gases	36	--	21	43	42	--	-49	84	17	90
Ethane/Ethylene	0	--	--	--	--	--	--	--	0	0
Propane/Propylene	11	--	45	37	8	--	-18	--	17	103
Normal Butane/Butylene	15	--	-28	5	28	--	-31	59	0	-8
Isobutane/Isobutylene	11	--	4	1	6	--	1	25	--	-5
<b>Other Liquids</b>	<b>--</b>	<b>23</b>	<b>--</b>	<b>149</b>	<b>314</b>	<b>-22</b>	<b>104</b>	<b>305</b>	<b>34</b>	<b>21</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	23	--	10	148	17	-4	191	11	0
Hydrogen	--	--	--	--	--	30	--	30	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	23	--	10	148	-13	-4	161	11	0
Fuel Ethanol	--	18	--	--	142	-7	-3	146	11	0
Renewable Fuels Except Fuel Ethanol	--	5	--	10	6	-6	-1	15	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	125	--	--	47	51	5	21
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	14	166	-39	62	62	17	0
Reformulated	--	--	--	--	78	-14	8	56	0	0
Conventional	--	--	--	14	88	-24	53	7	17	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>2,945</b>	<b>149</b>	<b>56</b>	<b>51</b>	<b>64</b>	<b>--</b>	<b>389</b>	<b>2,747</b>
Finished Motor Gasoline	--	--	1,528	5	10	46	-8	--	88	1,509
Reformulated	--	--	1,048	--	--	7	0	--	--	1,055
Conventional	--	--	480	5	10	39	-8	--	88	455
Finished Aviation Gasoline	--	--	--	--	--	--	1	--	--	-1
Kerosene-Type Jet Fuel	--	--	427	89	9	--	8	--	29	489
Kerosene	--	--	1	--	--	--	-1	--	0	1
Distillate Fuel Oil	--	--	532	5	37	5	42	--	127	409
15 ppm sulfur and under	--	--	513	5	37	5	46	--	82	432
Greater than 15 ppm to 500 ppm sulfur	--	--	8	--	--	--	-3	--	4	7
Greater than 500 ppm sulfur	--	--	11	0	--	--	0	--	41	-30
Residual Fuel Oil <sup>6</sup>	--	--	157	45	--	--	9	--	15	177
Less than 0.31 percent sulfur	--	--	--	--	--	--	14	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	24	--	--	--	-1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	133	45	--	--	-4	--	NA	NA
Petrochemical Feedstocks	--	--	0	1	--	--	0	--	--	1
Naphtha for Petro. Feed. Use	--	--	0	1	--	--	0	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	--	--	--	1	--	--	1
Lubricants	--	--	10	1	--	--	0	--	3	8
Waxes	--	--	--	0	--	--	--	--	0	0
Petroleum Coke	--	--	146	1	--	--	3	--	126	18
Marketable	--	--	113	1	--	--	3	--	126	-16
Catalyst	--	--	33	--	--	--	--	--	--	33
Asphalt and Road Oil	--	--	18	2	--	--	9	--	1	10
Still Gas	--	--	111	--	--	--	--	--	--	111
Miscellaneous Products	--	--	13	--	--	--	0	--	0	13
<b>Total</b>	<b>1,085</b>	<b>23</b>	<b>2,966</b>	<b>1,364</b>	<b>569</b>	<b>127</b>	<b>54</b>	<b>2,765</b>	<b>455</b>	<b>2,861</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 25. Crude Oil Supply, Disposition, and Ending Stocks by PAD District, January 2017**  
(Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Supply</b>							
Field Production .....	1,369	48,597	173,150	19,309	31,466	273,890	8,835
Alaskan .....	--	--	--	--	--	15,992	516
Lower 48 States .....	--	--	--	--	--	257,898	8,319
Imports (PAD District of Entry) .....	30,157	81,991	105,578	12,040	31,731	261,497	8,435
Commercial .....	30,157	81,991	105,578	12,040	31,731	261,497	8,435
Strategic Petroleum Reserve (SPR) .....	--	--	--	--	--	--	--
Net Receipts .....	5,551	-10,676	12,145	-11,885	4,864	--	--
Adjustments <sup>1</sup> .....	3,215	502	2,111	-1,010	3,059	7,876	254
<b>Disposition</b>							
Stock Change <sup>2</sup> .....	5,678	-1,159	18,241	-604	-2,032	20,124	649
Commercial .....	--	--	18,245	--	--	20,128	649
SPR .....	--	--	-4	--	--	-4	0
Refinery Inputs .....	32,892	115,384	259,996	19,014	72,727	500,013	16,129
Exports .....	1,722	6,188	14,747	44	425	23,126	746
<b>Ending Stocks</b>							
Total .....	17,923	150,120	959,106	22,716	49,673	1,199,538	--
Commercial .....	17,923	150,120	264,028	22,716	49,673	504,460	--
Refinery .....	12,062	14,312	48,011	2,506	22,396	99,287	--
Tank Farms and Pipelines .....	5,861	135,808	216,017	20,210	22,701	400,597	--
Cushing, Oklahoma .....	--	64,527	--	--	--	64,527	--
Lease .....	--	--	--	--	--	--	--
Alaskan Crude Oil In-Transit by Water .....	--	--	--	--	4,576	4,576	--
SPR .....	--	--	695,078	--	--	695,078	--
<b>SPR Stocks</b>							
Percent of Total Crude Oil Stocks (Percent) .....	--	--	--	--	--	57.9	--
Percent of Total Petroleum Stocks (Percent) .....	--	--	--	--	--	33.9	--
Days of Total Petroleum Net Imports (Days) .....	--	--	--	--	--	139	--
<b>SPR Receipts Detail</b>							
Receipts .....	--	--	--	--	--	--	--
Domestic .....	--	--	--	--	--	--	--
Imports .....	--	--	--	--	--	--	--
Imported by SPR .....	--	--	--	--	--	--	--
Imported for SPR by Others .....	--	--	--	--	--	--	--
<b>Imports</b>							
PAD District of Entry .....	30,157	81,991	105,578	12,040	31,731	261,497	8,435
PAD District of Processing .....	30,917	80,313	108,100	10,087	32,080	261,497	8,435

-- = Not Applicable.

-- = No Data Reported.

<sup>1</sup> Crude oil adjustment was previously referred to as Unaccounted-for Crude Oil.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

Notes: Totals may not equal the sum of components due to independent rounding. Values of Domestic Crude Oil Field Production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," and EIA-817, "Monthly Tanker and Barge Movements Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 26. Production of Crude Oil by PAD District and State, January 2017**  
(Thousand Barrels)

PAD District and State	January 2017		January-January 2017	
	Total	Daily Average	Total	Daily Average
<b>PAD District 1</b> .....	<b>1,369</b>	<b>44</b>	<b>1,369</b>	<b>44</b>
Florida .....	162	5	162	5
New York .....	24	1	24	1
Pennsylvania .....	496	16	496	16
Virginia .....	1	0	1	0
West Virginia .....	686	22	686	22
<b>PAD District 2</b> .....	<b>48,597</b>	<b>1,568</b>	<b>48,597</b>	<b>1,568</b>
Illinois .....	687	22	687	22
Indiana .....	155	5	155	5
Kansas .....	2,875	93	2,875	93
Kentucky .....	197	6	197	6
Michigan .....	475	15	475	15
Missouri .....	10	0	10	0
Nebraska .....	179	6	179	6
North Dakota .....	30,194	974	30,194	974
Ohio .....	1,581	51	1,581	51
Oklahoma .....	12,112	391	12,112	391
South Dakota .....	112	4	112	4
Tennessee .....	20	1	20	1
<b>PAD District 3</b> .....	<b>173,150</b>	<b>5,585</b>	<b>173,150</b>	<b>5,585</b>
Alabama .....	644	21	644	21
Arkansas .....	428	14	428	14
Louisiana .....	4,329	140	4,329	140
Mississippi .....	1,591	51	1,591	51
New Mexico .....	12,921	417	12,921	417
Texas .....	99,043	3,195	99,043	3,195
Federal Offshore PAD District 3 .....	54,194	1,748	54,194	1,748
<b>PAD District 4</b> .....	<b>19,309</b>	<b>623</b>	<b>19,309</b>	<b>623</b>
Colorado .....	9,223	298	9,223	298
Montana .....	1,795	58	1,795	58
Utah .....	2,527	82	2,527	82
Wyoming .....	5,763	186	5,763	186
<b>PAD District 5</b> .....	<b>31,466</b>	<b>1,015</b>	<b>31,466</b>	<b>1,015</b>
Alaska .....	15,992	516	15,992	516
South Alaska .....	430	14	430	14
North Slope .....	15,562	502	15,562	502
Arizona .....	1	0	1	0
California .....	15,020	485	15,020	485
Nevada .....	23	1	23	1
Federal Offshore PAD District 5 .....	431	14	431	14
<b>U.S. Total</b> .....	<b>273,890</b>	<b>8,835</b>	<b>273,890</b>	<b>8,835</b>

– = No Data Reported.

Note: Year-to-date totals include revised monthly production estimates by state published in Petroleum Navigator. Crude oil production quantities are estimated by state and summed to the PADD and the U.S. level. State production estimates reported by EIA are normally different from data reported by state agencies. For example, production estimates for Texas reported on table 26 are different from production reported by the Railroad Commission of Texas. See EIA "Today In Energy" article released on July 10, 2015 (<http://www.eia.gov/todayinenergy/detail.cfm?id=22012>) for an explanation of differences in production data for Texas. Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," state government agencies, U.S. Department of the Interior, and the Bureau of Ocean Energy Management.

**Table 27. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts, January 2017**  
(Thousand Barrels)

Commodity	Production						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Natural Gas Plant Liquids .....	13	11,890	11,903	5,687	5,469	11,049	22,205
Pentanes Plus .....	—	1,135	1,135	453	690	1,347	2,490
Liquefied Petroleum Gases .....	13	10,755	10,768	5,234	4,779	9,702	19,715
Ethane .....	—	5,024	5,024	1,708	1,471	3,565	6,744
Propane .....	4	3,949	3,953	2,438	2,163	4,069	8,670
Normal Butane .....	9	1,200	1,209	642	918	1,390	2,950
Isobutane .....	—	582	582	446	227	678	1,351

Commodity	Production								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Natural Gas Plant Liquids .....	39,783	5,658	6,055	778	5,127	57,401	10,623	2,177	104,309
Pentanes Plus .....	4,062	472	704	189	544	5,971	1,696	1,060	12,352
Liquefied Petroleum Gases .....	35,721	5,186	5,351	589	4,583	51,430	8,927	1,117	91,957
Ethane .....	16,726	2,753	2,321	177	1,940	23,917	2,432	1	38,118
Propane .....	12,393	1,567	1,942	235	1,758	17,895	4,140	331	34,989
Normal Butane .....	4,090	-1,878	677	103	514	3,506	1,590	453	9,708
Isobutane .....	2,512	2,744	411	74	371	6,112	765	332	9,142

Commodity	Stocks						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Natural Gas Plant Liquids .....	5	273	278	794	149	559	1,502
Pentanes Plus .....	—	52	52	66	40	75	181
Liquefied Petroleum Gases .....	5	221	226	728	109	484	1,321
Ethane .....	—	—	—	84	3	127	214
Propane .....	3	147	150	477	66	187	730
Normal Butane .....	2	60	62	92	32	114	238
Isobutane .....	—	14	14	75	8	56	139

Commodity	Stocks								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Natural Gas Plant Liquids .....	135	2,499	580	24	—	3,238	139	111	5,268
Pentanes Plus .....	30	10	183	3	—	226	41	30	530
Liquefied Petroleum Gases .....	105	2,489	397	21	—	3,012	98	81	4,738
Ethane .....	1	382	—	—	—	383	1	—	598
Propane .....	71	1,567	32	16	—	1,686	58	23	2,647
Normal Butane .....	28	140	267	5	—	440	31	52	823
Isobutane .....	5	400	98	—	—	503	8	6	670

— = No Data Reported.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-816, "Monthly Natural Gas Liquids Report."



**Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, January 2017**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Crude Oil</b> .....	<b>29,900</b>	<b>2,992</b>	<b>32,892</b>	<b>74,993</b>	<b>15,405</b>	<b>24,986</b>	<b>115,384</b>
<b>Natural Gas Plant Liquids and Liquefied</b>							
<b>Refinery Gases</b> .....	<b>1,453</b>	<b>3</b>	<b>1,456</b>	<b>2,447</b>	<b>241</b>	<b>1,035</b>	<b>3,723</b>
Pentanes Plus .....	238	—	238	—	14	276	290
Liquefied Petroleum Gases .....	1,215	3	1,218	2,447	227	759	3,433
Normal Butane .....	848	3	851	1,374	187	292	1,853
Isobutane .....	367	—	367	1,073	40	467	1,580
<b>Other Liquids</b> .....	<b>67,870</b>	<b>5,615</b>	<b>73,485</b>	<b>5,578</b>	<b>2,344</b>	<b>400</b>	<b>8,322</b>
Hydrogen/Oxygenates/Renewables/							
Other Hydrocarbons .....	9,332	721	10,053	5,598	1,439	1,661	8,698
Hydrogen .....	95	2	97	762	298	201	1,261
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	9,237	719	9,956	4,797	1,141	1,460	7,398
Fuel Ethanol .....	8,877	655	9,532	4,535	1,100	1,401	7,036
Renewable Diesel Fuel .....	360	64	424	262	41	59	362
Other Renewable Fuels .....	—	—	—	—	—	—	—
Other Hydrocarbons .....	—	—	—	39	—	—	39
Unfinished Oils (net) .....	1,166	-50	1,116	66	-15	-156	-105
Naphthas and Lighter .....	398	-7	391	502	-100	56	458
Kerosene and Light Gas Oils .....	-901	-2	-903	-60	79	-114	-95
Heavy Gas Oils .....	1,266	-37	1,229	-146	6	150	10
Residuum .....	403	-4	399	-230	—	-248	-478
Motor Gasoline Blend.Comp. (MGBC)(net) .....	57,372	4,944	62,316	-86	920	-1,105	-271
Reformulated - RBOB .....	16,128	—	16,128	-2,055	887	770	-398
Conventional .....	41,244	4,944	46,188	1,969	33	-1,875	127
CBOB .....	36,779	4,946	41,725	2,234	191	-1,808	617
GTAB .....	1,974	—	1,974	—	—	—	—
Other .....	2,491	-2	2,489	-265	-158	-67	-490
Aviation Gasoline Blend. Comp. (net) .....	—	—	—	—	—	—	—
<b>Total Input</b> .....	<b>99,223</b>	<b>8,610</b>	<b>107,833</b>	<b>83,018</b>	<b>17,990</b>	<b>26,421</b>	<b>127,429</b>

See footnotes at end of table.

**Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, January 2017**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Crude Oil</b> .....	<b>19,938</b>	<b>130,311</b>	<b>99,399</b>	<b>6,489</b>	<b>3,859</b>	<b>259,996</b>	<b>19,014</b>	<b>72,727</b>	<b>500,013</b>
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b> .....	<b>732</b>	<b>4,897</b>	<b>4,826</b>	<b>85</b>	<b>222</b>	<b>10,762</b>	<b>662</b>	<b>3,538</b>	<b>20,141</b>
Pentanes Plus .....	179	1,365	1,326	8	29	2,907	100	940	4,475
Liquefied Petroleum Gases .....	553	3,532	3,500	77	193	7,855	562	2,598	15,666
Normal Butane .....	342	1,833	2,032	32	14	4,253	376	1,822	9,155
Isobutane .....	211	1,699	1,468	45	179	3,602	186	776	6,511
<b>Other Liquids</b> .....	<b>8,196</b>	<b>-35,760</b>	<b>-33,856</b>	<b>6,635</b>	<b>-457</b>	<b>-55,242</b>	<b>-952</b>	<b>9,448</b>	<b>35,061</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	1,978	3,194	2,088	1,124	231	8,615	1,076	5,931	34,373
Hydrogen .....	22	2,246	1,440	91	52	3,851	225	930	6,364
Oxygenates (excluding Fuel Ethanol) .....	-	76	-	-	-	76	-	-	76
Methyl Tertiary Butyl Ether (MTBE) .....	-	76	-	-	-	76	-	-	76
All Other Oxygenates <sup>1</sup> .....	-	-	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol) .....	1,956	872	648	1,033	179	4,688	851	5,001	27,894
Fuel Ethanol .....	1,882	798	427	937	156	4,200	823	4,528	26,119
Renewable Diesel Fuel .....	74	72	221	96	23	486	28	467	1,767
Other Renewable Fuels .....	-	2	-	-	-	2	-	6	8
Other Hydrocarbons .....	-	-	-	-	-	-	-	-	39
Unfinished Oils (net) .....	-211	1,074	2,414	-72	41	3,246	-167	1,581	5,671
Naphthas and Lighter .....	-267	-4,985	139	-28	-17	-5,158	-175	-454	-4,938
Kerosene and Light Gas Oils .....	-53	-966	-70	-18	39	-1,068	-82	-457	-2,605
Heavy Gas Oils .....	175	6,827	663	45	19	7,729	194	1,870	11,032
Residuum .....	-66	198	1,682	-71	-	1,743	-104	622	2,182
Motor Gasoline Blend.Comp. (MGBC)(net) .....	6,430	-40,028	-38,366	5,583	-729	-67,110	-1,861	1,936	-4,990
Reformulated - RBOB .....	5,472	-8,652	-2,829	-	-825	-6,834	-	1,725	10,621
Conventional .....	958	-31,376	-35,537	5,583	96	-60,276	-1,861	211	-15,611
CBOB .....	1,317	-32,381	-33,178	5,583	130	-58,529	-1,856	919	-17,124
GTAB .....	-	-	-	-	-	-	-	-	1,974
Other .....	-359	1,005	-2,359	0	-34	-1,747	-5	-708	-461
Aviation Gasoline Blend. Comp. (net) .....	-1	-	8	-	-	7	-	-	7
<b>Total Input</b> .....	<b>28,866</b>	<b>99,448</b>	<b>70,369</b>	<b>13,209</b>	<b>3,624</b>	<b>215,516</b>	<b>18,724</b>	<b>85,713</b>	<b>555,215</b>

- = No Data Reported.

<sup>1</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."

**Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, January 2017**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Liquefied Refinery Gases .....	378	-62	316	964	-174	-120	670
Ethane/Ethylene .....	20	—	20	—	—	—	—
Ethane .....	—	—	—	—	—	—	—
Ethylene .....	20	—	20	—	—	—	—
Propane/Propylene .....	988	30	1,018	2,380	450	659	3,489
Propane .....	556	30	586	1,601	236	436	2,273
Propylene .....	432	—	432	779	214	223	1,216
Normal Butane/Butylene .....	-705	-64	-769	-1,337	-546	-698	-2,581
Normal Butane .....	-658	-64	-722	-1,372	-546	-698	-2,616
Butylene .....	-47	—	-47	35	—	—	35
Isobutane/Isobutylene .....	75	-28	47	-79	-78	-81	-238
Isobutane .....	35	-28	7	-79	-78	-81	-238
Isobutylene .....	40	—	40	—	—	—	—
Finished Motor Gasoline .....	84,042	6,845	90,887	48,957	10,565	14,854	74,376
Reformulated .....	37,345	—	37,345	8,152	1,484	992	10,628
Reformulated Blended with Fuel Ethanol .....	37,345	—	37,345	8,152	1,484	992	10,628
Reformulated Other .....	—	—	—	—	—	—	—
Conventional .....	46,697	6,845	53,542	40,805	9,081	13,862	63,748
Conventional Blended with Fuel Ethanol .....	50,852	6,578	57,430	36,836	9,432	12,787	59,055
Ed55 and Lower .....	50,823	6,578	57,401	36,829	9,412	12,742	58,983
Greater than Ed55 .....	29	—	29	7	20	45	72
Conventional Other .....	-4,155	267	-3,888	3,969	-351	1,075	4,693
Finished Aviation Gasoline .....	—	—	—	—	57	—	57
Kerosene-Type Jet Fuel .....	2,497	—	2,497	5,891	837	1,054	7,782
Kerosene .....	191	8	199	96	—	38	134
Distillate Fuel Oil .....	9,275	830	10,105	19,603	4,995	9,267	33,865
15 ppm sulfur and under .....	6,746	734	7,480	19,652	5,023	9,299	33,974
Greater than 15 ppm to 500 ppm sulfur .....	455	61	516	—	45	113	158
Greater than 500 ppm sulfur .....	2,074	35	2,109	-49	-73	-145	-267
Residual Fuel Oil .....	1,434	3	1,437	1,320	374	104	1,798
Less than 0.31 percent sulfur .....	371	3	374	—	78	—	78
0.31 to 1.00 percent sulfur .....	471	—	471	183	72	—	255
Greater than 1.00 percent sulfur .....	592	—	592	1,137	224	104	1,465
Petrochemical Feedstocks .....	80	—	80	1,080	-8	23	1,095
Naphtha for Petro. Feed. Use .....	80	—	80	859	-8	—	851
Other Oils for Petro. Feed. Use .....	—	—	—	221	—	23	244
Special Naphthas .....	—	20	20	28	—	14	42
Lubricants .....	233	187	420	—	—	210	210
Waxes .....	—	9	9	—	—	34	34
Petroleum Coke .....	1,110	20	1,130	4,363	812	984	6,159
Marketable .....	415	—	415	3,253	628	761	4,642
Catalyst .....	695	20	715	1,110	184	223	1,517
Asphalt and Road Oil .....	283	649	932	2,486	991	192	3,669
Still Gas .....	1,291	52	1,343	2,701	648	1,021	4,370
Miscellaneous Products .....	69	34	103	343	112	59	514
<b>Total .....</b>	<b>100,883</b>	<b>8,595</b>	<b>109,478</b>	<b>87,832</b>	<b>19,209</b>	<b>27,734</b>	<b>134,775</b>
Processing Gain(-) or Loss(+)¹ .....	-1,660	15	-1,645	-4,814	-1,219	-1,313	-7,346

See footnotes at end of table.

**Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, January 2017**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Liquefied Refinery Gases .....	468	5,012	3,784	-56	11	9,219	98	652	10,955
Ethane/Ethylene .....	1	47	17	—	—	65	—	—	85
Ethane .....	1	44	17	—	—	62	—	—	62
Ethylene .....	—	3	—	—	—	3	—	—	23
Propane/Propylene .....	748	5,979	4,454	43	46	11,270	305	1,404	17,486
Propane .....	345	2,506	1,988	27	46	4,912	299	1,161	9,231
Propylene .....	403	3,473	2,466	16	—	6,358	6	243	8,255
Normal Butane/Butylene .....	-282	-664	-797	-99	-35	-1,877	-232	-861	-6,320
Normal Butane .....	-281	-801	-471	-99	-34	-1,686	-219	-866	-6,109
Butylene .....	-1	137	-326	—	-1	-191	-13	5	-211
Isobutane/Isobutylene .....	1	-350	110	—	—	-239	25	109	-296
Isobutane .....	1	-334	110	—	—	-223	25	109	-320
Isobutylene .....	—	-16	—	—	—	-16	—	—	24
Finished Motor Gasoline .....	19,645	25,597	11,657	8,677	1,622	67,198	8,985	47,365	288,811
Reformulated .....	7,200	6,238	—	—	—	13,438	—	32,482	93,893
Reformulated Blended with Fuel Ethanol .....	7,200	6,238	—	—	—	13,438	—	32,482	93,893
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	12,445	19,359	11,657	8,677	1,622	53,760	8,985	14,883	194,918
Conventional Blended with Fuel Ethanol .....	11,329	1,666	4,221	9,333	1,518	28,067	8,202	12,598	165,352
Ed55 and Lower .....	11,319	1,666	4,221	9,325	1,518	28,049	8,191	12,595	165,219
Greater than Ed55 .....	10	—	—	8	—	18	11	3	133
Conventional Other .....	1,116	17,693	7,436	-656	104	25,693	783	2,285	29,566
Finished Aviation Gasoline .....	64	52	134	—	—	250	2	—	309
Kerosene-Type Jet Fuel .....	1,245	11,572	12,541	180	—	25,538	1,009	13,251	50,077
Kerosene .....	13	-45	230	25	—	223	2	29	587
Distillate Fuel Oil .....	6,233	42,086	29,501	2,282	1,734	81,836	6,406	16,489	148,701
15 ppm sulfur and under .....	6,213	40,386	23,618	2,207	1,734	74,158	6,341	15,889	137,842
Greater than 15 ppm to 500 ppm sulfur .....	-5	610	2,499	35	—	3,139	35	252	4,100
Greater than 500 ppm sulfur .....	25	1,090	3,384	40	—	4,539	30	348	6,759
Residual Fuel Oil .....	297	1,933	3,970	-67	94	6,227	349	4,862	14,673
Less than 0.31 percent sulfur .....	190	16	765	—	—	971	220	—	1,643
0.31 to 1.00 percent sulfur .....	—	143	426	-67	15	517	12	753	2,008
Greater than 1.00 percent sulfur .....	107	1,774	2,779	—	79	4,739	117	4,109	11,022
Petrochemical Feedstocks .....	111	5,519	2,416	11	—	8,057	—	3	9,235
Naphtha for Petro. Feed. Use .....	94	3,924	1,507	11	—	5,536	—	3	6,470
Other Oils for Petro. Feed. Use .....	17	1,595	909	—	—	2,521	—	—	2,765
Special Naphthas .....	73	640	—	205	—	918	—	40	1,020
Lubricants .....	32	1,712	1,577	810	—	4,131	—	321	5,082
Waxes .....	—	56	34	22	—	112	—	—	155
Petroleum Coke .....	470	9,103	6,272	164	63	16,072	816	4,538	28,715
Marketable .....	219	7,052	5,021	149	—	12,441	563	3,500	21,561
Catalyst .....	251	2,051	1,251	15	63	3,631	253	1,038	7,154
Asphalt and Road Oil .....	213	285	299	795	52	1,644	1,176	543	7,964
Still Gas .....	828	5,852	4,007	154	88	10,929	757	3,440	20,839
Miscellaneous Products .....	110	1,079	554	23	40	1,806	116	415	2,954
<b>Total .....</b>	<b>29,802</b>	<b>110,453</b>	<b>76,976</b>	<b>13,225</b>	<b>3,704</b>	<b>234,160</b>	<b>19,716</b>	<b>91,948</b>	<b>590,077</b>
Processing Gain(-) or Loss(+)¹ .....	-936	-11,005	-6,607	-16	-80	-18,644	-992	-6,235	-34,862

— = No Data Reported.

¹ Represents the arithmetic difference between refinery input and production divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."

**Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, January 2017**  
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Crude Oil</b>	<b>29,900</b>	<b>2,992</b>	<b>32,892</b>	<b>74,993</b>	<b>15,405</b>	<b>24,986</b>	<b>115,384</b>
<b>Natural Gas Plant Liquids</b>	<b>729</b>	<b>—</b>	<b>729</b>	<b>2,331</b>	<b>161</b>	<b>755</b>	<b>3,247</b>
Pentanes Plus	—	—	—	—	—	207	207
Liquefied Petroleum Gases	729	—	729	2,331	161	548	3,040
Normal Butane	362	—	362	1,258	121	81	1,460
Isobutane	367	—	367	1,073	40	467	1,580
<b>Other Liquids</b>	<b>-15,212</b>	<b>22</b>	<b>-15,190</b>	<b>-36,830</b>	<b>-6,148</b>	<b>-11,989</b>	<b>-54,967</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	154	122	276	1,032	464	289	1,785
Hydrogen	95	2	97	762	298	201	1,261
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup>	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	59	120	179	231	166	88	485
Fuel Ethanol	59	102	161	138	153	83	374
Renewable Diesel Fuel	—	18	18	93	13	5	111
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	39	—	—	39
Unfinished Oils (net)	1,166	-48	1,118	105	-15	-156	-66
Naphthas and Lighter	398	-7	391	502	-100	56	458
Kerosene and Light Gas Oils	-901	—	-901	1	79	-114	-34
Heavy Gas Oils	1,266	-37	1,229	-146	6	150	10
Residuum	403	-4	399	-252	—	-248	-500
Motor Gasoline Blend.Comp. (MGBC)(net)	-16,532	-52	-16,584	-37,967	-6,597	-12,122	-56,686
Reformulated - RBOB	-10,455	—	-10,455	-9,109	-448	-122	-9,679
Conventional	-6,077	-52	-6,129	-28,858	-6,149	-12,000	-47,007
CBOB	-4,957	-50	-5,007	-27,345	-5,946	-11,933	-45,224
GTAB	—	—	—	—	—	—	—
Other	-1,120	-2	-1,122	-1,513	-203	-67	-1,783
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
<b>Total Input to Refineries</b>	<b>15,417</b>	<b>3,014</b>	<b>18,431</b>	<b>40,494</b>	<b>9,418</b>	<b>13,752</b>	<b>63,664</b>
<b>Atmospheric Crude Oil Distillation</b>							
Gross Input (daily average)	953	97	1,051	2,414	497	807	3,719
Operable Capacity (daily average)	1,157	98	1,256	2,607	520	872	3,999
Operable Utilization Rate (percent) <sup>2</sup>	82.4	99.1	83.7	92.6	95.7	92.5	93.0
<b>Downstream Processing</b>							
<b>Fresh Feed Input (daily average)</b>							
Catalytic Reforming	154	17	172	439	60	145	644
Catalytic Cracking	402	16	418	748	148	212	1,109
Catalytic Hydrocracking	34	—	34	210	51	60	320
Delayed and Fluid Coking	52	—	52	352	60	87	499
<b>Crude Oil Qualities</b>							
Sulfur Content, Weighted Average (percent)	0.83	1.67	0.90	1.73	2.00	0.90	1.59
API Gravity, Weighted Average (degrees)	31.76	32.46	31.81	31.28	29.02	37.33	32.25
<b>Operable Capacity (daily average)</b>	<b>1,157</b>	<b>98</b>	<b>1,256</b>	<b>2,607</b>	<b>520</b>	<b>872</b>	<b>3,999</b>
Operating	1,083	98	1,182	2,585	520	802	3,907
Idle	74	—	74	22	—	70	92
<b>Alaskan Crude Oil Receipts</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>

See footnotes at end of table.

**Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, January 2017**  
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Crude Oil</b>	<b>19,938</b>	<b>130,311</b>	<b>99,399</b>	<b>6,489</b>	<b>3,859</b>	<b>259,996</b>	<b>19,014</b>	<b>72,727</b>	<b>500,013</b>
<b>Natural Gas Plant Liquids</b>	<b>688</b>	<b>4,259</b>	<b>4,592</b>	<b>59</b>	<b>222</b>	<b>9,820</b>	<b>559</b>	<b>3,525</b>	<b>17,880</b>
Pentanes Plus	165	1,202	1,326	8	29	2,730	66	940	3,943
Liquefied Petroleum Gases	523	3,057	3,266	51	193	7,090	493	2,585	13,937
Normal Butane	312	1,358	1,798	6	14	3,488	307	1,809	7,426
Isobutane	211	1,699	1,468	45	179	3,602	186	776	6,511
<b>Other Liquids</b>	<b>-8,516</b>	<b>-46,572</b>	<b>-36,463</b>	<b>-1,781</b>	<b>-1,485</b>	<b>-94,817</b>	<b>-5,097</b>	<b>-33,538</b>	<b>-203,609</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	215	2,377	1,722	140	105	4,559	501	1,205	8,326
Hydrogen	22	2,246	1,440	91	52	3,851	225	930	6,364
Oxygenates (excluding Fuel Ethanol)	—	76	—	—	—	76	—	—	76
Methyl Tertiary Butyl Ether (MTBE)	—	76	—	—	—	76	—	—	76
All Other Oxygenates <sup>1</sup>	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	193	55	282	49	53	632	276	275	1,847
Fuel Ethanol	167	44	149	26	53	439	255	89	1,318
Renewable Diesel Fuel	26	11	133	23	—	193	21	180	523
Other Renewable Fuels	—	—	—	—	—	—	—	6	6
Other Hydrocarbons	—	—	—	—	—	—	—	—	39
Unfinished Oils (net)	-211	1,074	2,403	-72	41	3,235	-167	1,581	5,701
Naphthas and Lighter	-267	-4,985	139	-28	-17	-5,158	-175	-454	-4,938
Kerosene and Light Gas Oils	-53	-966	-76	-18	39	-1,074	-82	-457	-2,548
Heavy Gas Oils	175	6,827	658	45	19	7,724	194	1,870	11,027
Residuum	-66	198	1,682	-71	—	1,743	-104	622	2,160
Motor Gasoline Blend.Comp. (MGBBC)(net)	-8,519	-50,023	-40,596	-1,849	-1,631	-102,618	-5,431	-36,324	-217,643
Reformulated - RBOB	-968	-12,461	-2,829	—	-825	-17,083	—	-26,899	-64,116
Conventional	-7,551	-37,562	-37,767	-1,849	-806	-85,535	-5,431	-9,425	-153,527
CBOB	-7,192	-31,075	-34,544	-1,818	-772	-75,401	-5,421	-8,678	-139,731
GTAB	—	—	—	—	—	—	—	—	—
Other	-359	-6,487	-3,223	-31	-34	-10,134	-10	-747	-13,796
Aviation Gasoline Blend. Comp. (net)	-1	—	8	—	—	7	—	—	7
<b>Total Input to Refineries</b>	<b>12,110</b>	<b>87,998</b>	<b>67,528</b>	<b>4,767</b>	<b>2,596</b>	<b>174,999</b>	<b>14,476</b>	<b>42,714</b>	<b>314,284</b>
<b>Atmospheric Crude Oil Distillation</b>									
Gross Input (daily average)	648	4,272	3,309	189	124	8,542	613	2,534	16,458
Operable Capacity (daily average)	731	4,941	3,696	246	124	9,738	696	2,933	18,621
Operable Utilization Rate (percent) <sup>2</sup>	88.6	86.5	89.5	76.7	100.8	87.7	88.1	86.4	88.4
<b>Downstream Processing</b>									
<b>Fresh Feed Input (daily average)</b>									
Catalytic Reforming	148	577	554	28	24	1,330	95	392	2,632
Catalytic Cracking	167	1,293	961	18	35	2,474	167	656	4,823
Catalytic Hydrocracking	46	532	319	17	—	914	17	438	1,722
Delayed and Fluid Coking	28	748	546	9	—	1,331	70	430	2,381
<b>Crude Oil Qualities</b>									
Sulfur Content, Weighted Average (percent)	0.66	1.78	1.46	1.53	0.69	1.55	1.46	1.28	1.47
API Gravity, Weighted Average (degrees)	39.72	30.85	30.18	31.15	39.48	31.41	32.73	28.09	31.20
<b>Operable Capacity (daily average)</b>	<b>731</b>	<b>4,941</b>	<b>3,696</b>	<b>246</b>	<b>124</b>	<b>9,738</b>	<b>696</b>	<b>2,933</b>	<b>18,621</b>
Operating	731	4,898	3,696	246	124	9,695	682	2,848	18,314
Idle	—	43	—	—	—	43	13	85	307
<b>Alaskan Crude Oil Receipts</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>15,719</b>	<b>15,719</b>

— = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

<sup>2</sup> Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

**Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, January 2017**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Liquefied Refinery Gases .....	378	-62	316	964	-174	-120	670
Ethane/Ethylene .....	20	—	20	—	—	—	—
Ethane .....	—	—	—	—	—	—	—
Ethylene .....	20	—	20	—	—	—	—
Propane/Propylene .....	988	30	1,018	2,380	450	659	3,489
Propane .....	556	30	586	1,601	236	436	2,273
Propylene .....	432	—	432	779	214	223	1,216
Normal Butane/Butylene .....	-705	-64	-769	-1,337	-546	-698	-2,581
Normal Butane .....	-658	-64	-722	-1,372	-546	-698	-2,616
Butylene .....	-47	—	-47	35	—	—	35
Isobutane/Isobutylene .....	75	-28	47	-79	-78	-81	-238
Isobutane .....	35	-28	7	-79	-78	-81	-238
Isobutylene .....	40	—	40	—	—	—	—
Finished Motor Gasoline .....	593	1,294	1,887	6,593	2,021	2,237	10,851
Reformulated .....	593	—	593	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	593	—	593	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—
Conventional .....	—	1,294	1,294	6,593	2,021	2,237	10,851
Conventional Blended with Fuel Ethanol .....	—	1,018	1,018	1,408	1,524	858	3,790
Ed55 and Lower .....	—	1,018	1,018	1,408	1,524	858	3,790
Greater than Ed55 .....	—	—	—	—	—	—	—
Conventional Other .....	—	276	276	5,185	497	1,379	7,061
Finished Aviation Gasoline .....	—	—	—	—	57	—	57
Kerosene-Type Jet Fuel .....	2,494	—	2,494	5,909	837	1,054	7,800
Commercial .....	2,494	—	2,494	5,909	821	961	7,691
Military .....	—	—	—	—	16	93	109
Kerosene .....	191	8	199	96	—	38	134
Distillate Fuel Oil .....	8,861	785	9,646	19,462	4,970	9,214	33,646
15 ppm sulfur and under .....	6,895	689	7,584	19,511	4,998	9,246	33,755
Greater than 15 ppm to 500 ppm sulfur .....	129	61	190	—	45	20	65
Greater than 500 ppm sulfur .....	1,837	35	1,872	-49	-73	-52	-174
Residual Fuel Oil .....	1,491	3	1,494	1,320	374	104	1,798
Less than 0.31 percent sulfur .....	430	3	433	—	78	—	78
0.31 to 1.00 percent sulfur .....	467	—	467	183	72	—	255
Greater than 1.00 percent sulfur .....	594	—	594	1,137	224	104	1,465
Petrochemical Feedstocks .....	80	—	80	1,080	-8	23	1,095
Naphtha for Petro. Feed. Use .....	80	—	80	859	-8	—	851
Other Oils for Petro. Feed. Use .....	—	—	—	221	—	23	244
Special Naphthas .....	—	20	20	28	—	14	42
Lubricants .....	233	187	420	—	—	210	210
Naphthenic .....	—	—	—	—	—	—	—
Paraffinic .....	233	187	420	—	—	210	210
Waxes .....	—	9	9	—	—	34	34
Petroleum Coke .....	1,110	20	1,130	4,363	812	984	6,159
Marketable .....	415	—	415	3,253	628	761	4,642
Catalyst .....	695	20	715	1,110	184	223	1,517
Asphalt and Road Oil .....	283	649	932	2,464	991	192	3,647
Still Gas .....	1,291	52	1,343	2,701	648	1,021	4,370
Miscellaneous Products .....	69	34	103	343	112	59	514
Fuel Use .....	—	—	—	—	—	—	—
Nonfuel Use .....	69	34	103	343	112	59	514
<b>Total .....</b>	<b>17,074</b>	<b>2,999</b>	<b>20,073</b>	<b>45,323</b>	<b>10,640</b>	<b>15,064</b>	<b>71,027</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1,657	15	-1,642	-4,829	-1,222	-1,312	-7,363

See footnotes at end of table.

**Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, January 2017**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Liquefied Refinery Gases .....	468	5,012	3,784	-56	11	9,219	98	652	10,955
Ethane/Ethylene .....	1	47	17	—	—	65	—	—	85
Ethane .....	1	44	17	—	—	62	—	—	62
Ethylene .....	—	3	—	—	—	3	—	—	23
Propane/Propylene .....	748	5,979	4,454	43	46	11,270	305	1,404	17,486
Propane .....	345	2,506	1,988	27	46	4,912	299	1,161	9,231
Propylene .....	403	3,473	2,466	16	—	6,358	6	243	8,255
Normal Butane/Butylene .....	-282	-664	-797	-99	-35	-1,877	-232	-861	-6,320
Normal Butane .....	-281	-801	-471	-99	-34	-1,686	-219	-866	-6,109
Butylene .....	-1	137	-326	—	-1	-191	-13	5	-211
Isobutane/Isobutylene .....	1	-350	110	—	—	-239	25	109	-296
Isobutane .....	1	-334	110	—	—	-223	25	109	-320
Isobutylene .....	—	-16	—	—	—	-16	—	—	24
Finished Motor Gasoline .....	2,936	14,206	8,918	309	616	26,985	4,749	4,650	49,122
Reformulated .....	—	—	—	—	—	—	—	616	1,209
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	616	1,209
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	2,936	14,206	8,918	309	616	26,985	4,749	4,034	47,913
Conventional Blended with Fuel Ethanol .....	1,591	436	1,473	272	479	4,251	2,570	267	11,896
Ed55 and Lower .....	1,586	436	1,473	272	479	4,246	2,570	267	11,891
Greater than Ed55 .....	5	—	—	—	—	5	—	—	5
Conventional Other .....	1,345	13,770	7,445	37	137	22,734	2,179	3,767	36,017
Finished Aviation Gasoline .....	64	52	134	—	—	250	2	—	309
Kerosene-Type Jet Fuel .....	1,245	11,608	12,532	180	—	25,565	971	13,311	50,141
Commercial .....	1,044	10,502	12,359	110	—	24,015	936	12,849	47,985
Military .....	201	1,106	173	70	—	1,550	35	462	2,156
Kerosene .....	13	-1	229	25	—	266	2	-1	600
Distillate Fuel Oil .....	6,187	41,945	29,422	2,210	1,711	81,475	6,438	16,114	147,319
15 ppm sulfur and under .....	6,167	40,342	23,539	2,135	1,711	73,894	6,373	15,538	137,144
Greater than 15 ppm to 500 ppm sulfur .....	-5	608	2,499	35	—	3,137	35	252	3,679
Greater than 500 ppm sulfur .....	25	995	3,384	40	—	4,444	30	324	6,496
Residual Fuel Oil .....	297	1,933	3,959	-67	94	6,216	349	4,862	14,719
Less than 0.31 percent sulfur .....	190	—	765	—	—	955	220	—	1,686
0.31 to 1.00 percent sulfur .....	—	97	426	-67	15	471	12	753	1,958
Greater than 1.00 percent sulfur .....	107	1,836	2,768	—	79	4,790	117	4,109	11,075
Petrochemical Feedstocks .....	111	5,519	2,416	11	—	8,057	—	3	9,235
Naphtha for Petro. Feed. Use .....	94	3,924	1,507	11	—	5,536	—	3	6,470
Other Oils for Petro. Feed. Use .....	17	1,595	909	—	—	2,521	—	—	2,765
Special Naphthas .....	73	640	—	205	—	918	—	40	1,020
Lubricants .....	32	1,712	1,577	810	—	4,131	—	321	5,082
Naphthenic .....	32	50	—	617	—	699	—	104	803
Paraffinic .....	—	1,662	1,577	193	—	3,432	—	217	4,279
Waxes .....	—	56	34	22	—	112	—	—	155
Petroleum Coke .....	470	9,103	6,272	164	63	16,072	816	4,538	28,715
Marketable .....	219	7,052	5,021	149	—	12,441	563	3,500	21,561
Catalyst .....	251	2,051	1,251	15	63	3,631	253	1,038	7,154
Asphalt and Road Oil .....	213	285	299	795	52	1,644	1,176	543	7,942
Still Gas .....	828	5,852	4,007	154	88	10,929	757	3,440	20,839
Miscellaneous Products .....	110	1,079	554	23	40	1,806	116	415	2,954
Fuel Use .....	—	—	—	—	—	—	—	69	69
Nonfuel Use .....	110	1,079	554	23	40	1,806	116	346	2,885
<b>Total .....</b>	<b>13,047</b>	<b>99,001</b>	<b>74,137</b>	<b>4,785</b>	<b>2,675</b>	<b>193,645</b>	<b>15,474</b>	<b>48,888</b>	<b>349,107</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-937	-11,003	-6,609	-18	-79	-18,646	-998	-6,174	-34,823

— = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between refinery input and production divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."



**Table 32. Blender Net Inputs of Petroleum Products by PAD District, January 2017**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Natural Gas Plant Liquids and Liquefied							
Refinery Gases .....	724	3	727	116	80	280	476
Pentanes Plus .....	238	—	238	—	14	69	83
Liquefied Petroleum Gases .....	486	3	489	116	66	211	393
Normal Butane .....	486	3	489	116	66	211	393
Isobutane .....	—	—	—	—	—	—	—
Other Liquids .....	83,082	5,593	88,675	42,408	8,492	12,389	63,289
Oxygenates/Renewables .....	9,178	599	9,777	4,566	975	1,372	6,913
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	9,178	599	9,777	4,566	975	1,372	6,913
Fuel Ethanol .....	8,818	553	9,371	4,397	947	1,318	6,662
Renewable Diesel Fuel .....	360	46	406	169	28	54	251
Other Renewable Fuels .....	—	—	—	—	—	—	—
Unfinished Oils (net) .....	—	-2	-2	-39	—	—	-39
Naphthas and Lighter .....	—	—	—	—	—	—	—
Kerosene and Light Gas Oils .....	—	-2	-2	-61	—	—	-61
Heavy Gas Oils .....	—	—	—	—	—	—	—
Residuum .....	—	—	—	22	—	—	22
Motor Gasoline Blend.Comp. (MGBC)(net) .....	73,904	4,996	78,900	37,881	7,517	11,017	56,415
Reformulated - RBOB .....	26,583	—	26,583	7,054	1,335	892	9,281
Conventional .....	47,321	4,996	52,317	30,827	6,182	10,125	47,134
CBOB .....	41,736	4,996	46,732	29,579	6,137	10,125	45,841
GTAB .....	1,974	—	1,974	—	—	—	—
Other .....	3,611	—	3,611	1,248	45	—	1,293
Aviation Gasoline Blend. Comp. (net) .....	—	—	—	—	—	—	—
Total Input .....	83,806	5,596	89,402	42,524	8,572	12,669	63,765

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Natural Gas Plant Liquids and Liquefied									
Refinery Gases .....	44	638	234	26	—	942	103	13	2,261
Pentanes Plus .....	14	163	—	—	—	177	34	—	532
Liquefied Petroleum Gases .....	30	475	234	26	—	765	69	13	1,729
Normal Butane .....	30	475	234	26	—	765	69	13	1,729
Isobutane .....	—	—	—	—	—	—	—	—	—
Other Liquids .....	16,712	10,812	2,607	8,416	1,028	39,575	4,145	42,986	238,670
Oxygenates/Renewables .....	1,763	817	366	984	126	4,056	575	4,726	26,047
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	1,763	817	366	984	126	4,056	575	4,726	26,047
Fuel Ethanol .....	1,715	754	278	911	103	3,761	568	4,439	24,801
Renewable Diesel Fuel .....	48	61	88	73	23	293	7	287	1,244
Other Renewable Fuels .....	—	2	—	—	—	2	—	—	2
Unfinished Oils (net) .....	—	—	11	—	—	11	—	—	-30
Naphthas and Lighter .....	—	—	—	—	—	—	—	—	—
Kerosene and Light Gas Oils .....	—	—	6	—	—	6	—	—	-57
Heavy Gas Oils .....	—	—	5	—	—	5	—	—	5
Residuum .....	—	—	—	—	—	—	—	—	22
Motor Gasoline Blend.Comp. (MGBC)(net) .....	14,949	9,995	2,230	7,432	902	35,508	3,570	38,260	212,653
Reformulated - RBOB .....	6,440	3,809	—	—	—	10,249	—	28,624	74,737
Conventional .....	8,509	6,186	2,230	7,432	902	25,259	3,570	9,636	137,916
CBOB .....	8,509	-1,306	1,366	7,401	902	16,872	3,565	9,597	122,607
GTAB .....	—	—	—	—	—	—	—	—	1,974
Other .....	—	7,492	864	31	—	8,387	5	39	13,335
Aviation Gasoline Blend. Comp. (net) .....	—	—	—	—	—	—	—	—	—
Total Input .....	16,756	11,450	2,841	8,442	1,028	40,517	4,248	42,999	240,931

— = No Data Reported.

<sup>1</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal and Blender Report."

**Table 33. Blender Net Production of Petroleum Products by PAD District, January 2017**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Finished Motor Gasoline .....	83,449	5,551	89,000	42,364	8,544	12,617	63,525
Reformulated .....	36,752	-	36,752	8,152	1,484	992	10,628
Reformulated Blended with Fuel Ethanol .....	36,752	-	36,752	8,152	1,484	992	10,628
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	46,697	5,551	52,248	34,212	7,060	11,625	52,897
Conventional Blended with Fuel Ethanol .....	50,852	5,560	56,412	35,428	7,908	11,929	55,265
Ed55 and Lower .....	50,823	5,560	56,383	35,421	7,888	11,884	55,193
Greater than Ed55 .....	29	-	29	7	20	45	72
Conventional Other .....	-4,155	-9	-4,164	-1,216	-848	-304	-2,368
Finished Aviation Gasoline .....	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	3	-	3	-18	-	-	-18
Kerosene .....	0	-	0	-	-	-	-
Distillate Fuel Oil .....	414	45	459	141	25	53	219
15 ppm sulfur and under .....	-149	45	-104	141	25	53	219
Greater than 15 ppm to 500 ppm sulfur .....	326	0	326	-	-	93	93
Greater than 500 ppm sulfur .....	237	-	237	-	-	-93	-93
Residual Fuel Oil .....	-57	-	-57	-	-	-	-
Less than 0.31 percent sulfur .....	-59	-	-59	-	-	-	-
0.31 to 1.00 percent sulfur .....	4	-	4	-	-	-	-
Greater than 1.00 percent sulfur .....	-2	-	-2	-	-	-	-
Special Naphthas .....	-	-	-	-	-	-	-
Lubricants .....	-	-	-	-	-	-	-
Asphalt and Road Oil .....	-	-	-	22	-	-	22
Miscellaneous Products .....	-	-	-	-	-	-	-
<b>Total Production</b> .....	<b>83,809</b>	<b>5,596</b>	<b>89,405</b>	<b>42,509</b>	<b>8,569</b>	<b>12,670</b>	<b>63,748</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-3	0	-3	15	3	-1	17

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Finished Motor Gasoline .....	16,709	11,391	2,739	8,368	1,006	40,213	4,236	42,715	239,689
Reformulated .....	7,200	6,238	-	-	-	13,438	-	31,866	92,684
Reformulated Blended with Fuel Ethanol .....	7,200	6,238	-	-	-	13,438	-	31,866	92,684
Reformulated Other .....	-	-	-	-	-	-	-	-	-
Conventional .....	9,509	5,153	2,739	8,368	1,006	26,775	4,236	10,849	147,005
Conventional Blended with Fuel Ethanol .....	9,738	1,230	2,748	9,061	1,039	23,816	5,632	12,331	153,456
Ed55 and Lower .....	9,733	1,230	2,748	9,053	1,039	23,803	5,621	12,328	153,328
Greater than Ed55 .....	5	-	-	8	-	13	11	3	128
Conventional Other .....	-229	3,923	-9	-693	-33	2,959	-1,396	-1,482	-6,451
Finished Aviation Gasoline .....	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	-	-36	9	-	-	-27	38	-60	-64
Kerosene .....	-	-44	1	-	-	-43	-	30	-13
Distillate Fuel Oil .....	46	141	79	72	23	361	-32	375	1,382
15 ppm sulfur and under .....	46	44	79	72	23	264	-32	351	698
Greater than 15 ppm to 500 ppm sulfur .....	-	2	-	-	-	2	-	-	421
Greater than 500 ppm sulfur .....	-	95	-	-	-	95	-	24	263
Residual Fuel Oil .....	-	0	11	-	-	11	-	-	-46
Less than 0.31 percent sulfur .....	-	16	-	-	-	16	-	-	-43
0.31 to 1.00 percent sulfur .....	-	46	-	-	-	46	-	-	50
Greater than 1.00 percent sulfur .....	-	-62	11	-	-	-51	-	-	-53
Special Naphthas .....	-	-	-	-	-	-	-	-	-
Lubricants .....	-	-	-	-	-	-	-	-	-
Asphalt and Road Oil .....	-	-	-	-	-	-	-	-	22
Miscellaneous Products .....	-	-	-	-	-	-	-	-	-
<b>Total Production</b> .....	<b>16,755</b>	<b>11,452</b>	<b>2,839</b>	<b>8,440</b>	<b>1,029</b>	<b>40,515</b>	<b>4,242</b>	<b>43,060</b>	<b>240,970</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	1	-2	2	2	-1	2	6	-61	-39

- = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between refinery input and production divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal and Blender Report."

**Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, January 2017**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Crude Oil</b> .....	<b>11,354</b>	<b>708</b>	<b>12,062</b>	<b>10,395</b>	<b>2,090</b>	<b>1,827</b>	<b>14,312</b>
<b>Petroleum Products</b> .....	<b>16,252</b>	<b>2,300</b>	<b>18,552</b>	<b>29,630</b>	<b>7,884</b>	<b>11,836</b>	<b>49,350</b>
Pentanes Plus .....	—	—	—	26	—	366	392
Liquefied Petroleum Gases .....	1,089	25	1,114	2,569	406	739	3,714
Ethane/Ethylene .....	—	—	—	—	—	—	—
Propane/Propylene .....	341	6	347	992	71	427	1,490
Normal Butane/Butylene .....	538	8	546	1,359	273	100	1,732
Isobutane/Isobutylene .....	210	11	221	218	62	212	492
Oxygenates/Renewable Fuels/Other Hydrocarbons ....	96	101	197	64	63	34	161
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	96	101	197	47	63	34	144
Fuel Ethanol .....	96	95	191	31	50	29	110
Renewable Diesel Fuel .....	—	6	6	16	13	5	34
Other Renewable Fuels .....	—	—	—	—	—	—	—
Other Hydrocarbons .....	—	—	—	17	—	—	17
Unfinished Oils .....	5,064	385	5,449	8,266	515	4,159	12,940
Naphthas and Lighter .....	1,287	254	1,541	2,105	99	992	3,196
Kerosene and Light Gas Oils .....	867	—	867	1,636	196	730	2,562
Heavy Gas Oils .....	2,056	122	2,178	3,129	220	1,434	4,783
Residuum .....	854	9	863	1,396	—	1,003	2,399
Motor Gasoline Blending Components (MGBC) .....	5,512	352	5,864	8,658	2,426	3,316	14,400
Reformulated - RBOB .....	1,718	—	1,718	1,131	109	—	1,240
Conventional .....	3,794	352	4,146	7,527	2,317	3,316	13,160
CBOB .....	439	296	735	2,876	1,436	2,358	6,670
GTAB .....	—	—	—	—	—	—	—
Other .....	3,355	56	3,411	4,651	881	958	6,490
Aviation Gasoline Blending Components .....	—	—	—	—	—	—	—
Finished Motor Gasoline .....	—	45	45	1,065	189	241	1,495
Reformulated .....	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—
Conventional .....	—	45	45	1,065	189	241	1,495
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—
Conventional Other .....	—	45	45	1,065	189	241	1,495
Finished Aviation Gasoline .....	—	—	—	—	99	—	99
Kerosene-Type Jet Fuel .....	521	—	521	1,192	330	270	1,792
Kerosene .....	113	5	118	106	—	27	133
Distillate Fuel Oil .....	2,569	199	2,768	3,701	1,647	1,731	7,079
15 ppm sulfur and under .....	1,789	86	1,875	3,565	1,200	1,586	6,351
Greater than 15 ppm to 500 ppm sulfur .....	28	95	123	—	75	79	154
Greater than 500 ppm sulfur .....	752	18	770	136	372	66	574
Residual Fuel Oil .....	498	18	516	1,022	253	42	1,317
Less than 0.31 percent sulfur .....	82	16	98	—	34	—	34
0.31 to 1.00 percent sulfur .....	26	2	28	164	24	—	188
Greater than 1.00 percent sulfur .....	390	—	390	858	195	42	1,095
Petrochemical Feedstocks .....	162	—	162	568	58	—	626
Naphtha for Petro. Feed. Use .....	162	—	162	419	58	—	477
Other Oils for Petro. Feed. Use .....	—	—	—	149	—	—	149
Special Naphthas .....	—	17	17	55	—	18	73
Lubricants .....	381	285	666	—	—	222	222
Waxes .....	—	400	400	—	—	47	47
Petroleum Coke .....	—	—	—	258	696	147	1,101
Marketable .....	—	—	—	258	696	147	1,101
Catalyst .....	—	—	—	—	—	—	—
Asphalt and Road Oil .....	233	448	681	1,998	1,180	472	3,650
Miscellaneous Products .....	14	20	34	82	22	5	109
<b>Total Stocks, All Oils</b> .....	<b>27,606</b>	<b>3,008</b>	<b>30,614</b>	<b>40,025</b>	<b>9,974</b>	<b>13,663</b>	<b>63,662</b>

See footnotes at end of table.

**Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, January 2017**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Crude Oil</b>	<b>1,925</b>	<b>27,851</b>	<b>16,652</b>	<b>1,279</b>	<b>304</b>	<b>48,011</b>	<b>2,506</b>	<b>22,396</b>	<b>99,287</b>
<b>Petroleum Products</b>	<b>9,737</b>	<b>56,576</b>	<b>51,141</b>	<b>3,910</b>	<b>1,459</b>	<b>122,823</b>	<b>11,349</b>	<b>51,318</b>	<b>253,392</b>
Pentanes Plus	73	32	334	—	34	473	15	3	883
Liquefied Petroleum Gases	1,752	1,020	5,801	19	33	8,625	345	1,471	15,269
Ethane/Ethylene	150	—	—	—	—	150	—	—	150
Propane/Propylene	732	75	1,293	4	4	2,108	38	98	4,081
Normal Butane/Butylene	685	754	3,143	11	13	4,606	206	886	7,976
Isobutane/Isobutylene	185	191	1,365	4	16	1,761	101	487	3,062
Oxygenates/Renewable Fuels/Other Hydrocarbons	47	146	139	77	10	419	131	361	1,269
Oxygenates (excluding Fuel Ethanol)	—	93	—	—	—	93	—	—	93
Methyl Tertiary Butyl Ether (MTBE)	—	93	—	—	—	93	—	—	93
All Other Oxygenates <sup>1</sup>	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	47	53	139	77	10	326	131	361	1,159
Fuel Ethanol	40	20	58	30	8	156	122	31	610
Renewable Diesel Fuel	7	33	81	47	2	170	9	290	509
Other Renewable Fuels	—	—	—	—	—	—	—	40	40
Other Hydrocarbons	—	—	—	—	—	—	—	—	17
Unfinished Oils	2,548	21,891	15,687	952	628	41,706	2,899	19,659	82,653
Naphthas and Lighter	1,079	6,724	2,649	223	220	10,895	629	3,409	19,670
Kerosene and Light Gas Oils	657	3,838	2,794	187	211	7,687	460	3,529	15,105
Heavy Gas Oils	318	9,106	8,100	445	197	18,166	1,286	9,939	36,352
Residuum	494	2,223	2,144	97	—	4,958	524	2,782	11,526
Motor Gasoline Blending Components (MGBC)	2,388	11,486	12,928	268	355	27,425	3,745	13,982	65,416
Reformulated - RBOB	217	1,134	511	—	—	1,862	—	5,692	10,512
Conventional	2,171	10,352	12,417	268	355	25,563	3,745	8,290	54,904
CBOB	888	3,080	6,558	214	122	10,862	1,876	1,975	22,118
GTAB	—	—	—	—	—	—	—	—	—
Other	1,283	7,272	5,859	54	233	14,701	1,869	6,315	32,786
Aviation Gasoline Blending Components	10	—	—	—	—	10	—	—	10
Finished Motor Gasoline	603	1,509	1,646	15	61	3,834	766	609	6,749
Reformulated	—	—	—	—	—	—	—	16	16
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	16	16
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	603	1,509	1,646	15	61	3,834	766	593	6,733
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	53	—	53
Ed55 and Lower	—	—	—	—	—	—	53	—	53
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	603	1,509	1,646	15	61	3,834	713	593	6,680
Finished Aviation Gasoline	35	84	210	—	—	329	10	115	553
Kerosene-Type Jet Fuel	349	3,105	2,256	82	—	5,792	307	3,738	12,150
Kerosene	36	7	72	5	—	120	2	5	378
Distillate Fuel Oil	950	6,512	5,843	380	151	13,836	1,799	5,957	31,439
15 ppm sulfur and under	883	5,896	4,014	301	151	11,245	1,538	5,351	26,360
Greater than 15 ppm to 500 ppm sulfur	14	129	735	9	—	887	175	165	1,504
Greater than 500 ppm sulfur	53	487	1,094	70	—	1,704	86	441	3,575
Residual Fuel Oil	64	2,281	1,396	34	71	3,846	259	2,691	8,629
Less than 0.31 percent sulfur	3	—	178	—	—	181	38	—	351
0.31 to 1.00 percent sulfur	—	118	104	34	3	259	4	532	1,011
Greater than 1.00 percent sulfur	61	2,163	1,114	—	68	3,406	217	2,159	7,267
Petrochemical Feedstocks	156	1,556	646	21	—	2,379	—	1	3,168
Naphtha for Petro. Feed. Use	35	999	515	21	—	1,570	—	1	2,210
Other Oils for Petro. Feed. Use	121	557	131	—	—	809	—	—	958
Special Naphthas	82	630	—	74	—	786	—	49	925
Lubricants	62	2,596	2,303	845	—	5,806	—	435	7,129
Waxes	—	66	125	58	—	249	—	—	696
Petroleum Coke	38	3,169	1,319	—	—	4,526	169	1,313	7,109
Marketable	38	3,169	1,319	—	—	4,526	169	1,313	7,109
Catalyst	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	496	216	319	1,079	92	2,202	883	841	8,257
Miscellaneous Products	48	270	117	1	24	460	19	88	710
<b>Total Stocks, All Oils</b>	<b>11,662</b>	<b>84,427</b>	<b>67,793</b>	<b>5,189</b>	<b>1,763</b>	<b>170,834</b>	<b>13,855</b>	<b>73,714</b>	<b>352,679</b>

— = No Data Reported.

<sup>1</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 35. Percent Yield of Petroleum Products by PAD and Refining Districts, January 2017

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Liquefied Refinery Gases .....	1.2	-2.1	0.9	1.3	-1.1	-0.5	0.6
Finished Motor Gasoline <sup>1</sup> .....	52.4	42.2	51.6	55.5	52.9	54.0	54.8
Finished Aviation Gasoline <sup>2</sup> .....	—	—	—	—	0.4	—	0.1
Kerosene-Type Jet Fuel .....	8.0	—	7.3	7.8	5.3	4.2	6.7
Kerosene .....	0.6	0.3	0.6	0.1	—	0.2	0.1
Distillate Fuel Oil <sup>3</sup> .....	28.4	26.0	28.2	25.5	31.6	36.8	28.8
Residual Fuel Oil .....	4.8	0.1	4.4	1.7	2.4	0.4	1.5
Naphtha for Petro. Feed. Use .....	0.3	—	0.2	1.1	0.0	—	0.7
Other Oils for Petro. Feed. Use .....	—	—	—	0.3	—	0.1	0.2
Special Naphthas .....	—	0.7	0.1	0.0	—	0.1	0.0
Lubricants .....	0.8	6.4	1.2	—	—	0.8	0.2
Waxes .....	—	0.3	0.0	—	—	0.1	0.0
Petroleum Coke .....	3.6	0.7	3.3	5.8	5.2	3.9	5.3
Asphalt and Road Oil .....	0.9	22.0	2.7	3.3	6.3	0.8	3.1
Still Gas .....	4.1	1.8	3.9	3.6	4.1	4.1	3.8
Miscellaneous Products .....	0.2	1.2	0.3	0.5	0.7	0.2	0.4
Processing Gain(-) or Loss(+) <sup>4</sup> .....	-5.3	0.5	-4.8	-6.4	-7.8	-5.3	-6.3

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Liquefied Refinery Gases .....	2.4	3.8	3.7	-0.9	0.3	3.5	0.5	0.9	2.1
Finished Motor Gasoline <sup>1</sup> .....	53.7	44.8	43.4	31.9	49.9	44.7	49.1	49.7	48.3
Finished Aviation Gasoline <sup>2</sup> .....	0.3	0.0	0.1	—	—	0.1	0.0	—	0.1
Kerosene-Type Jet Fuel .....	6.3	8.7	12.1	2.8	—	9.6	5.1	17.7	9.8
Kerosene .....	0.1	0.0	0.2	0.4	—	0.1	0.0	0.0	0.1
Distillate Fuel Oil <sup>3</sup> .....	31.2	31.4	28.4	33.6	43.3	30.4	33.7	21.2	28.7
Residual Fuel Oil .....	1.5	1.5	3.8	-1.0	2.4	2.3	1.8	6.5	2.9
Naphtha for Petro. Feed. Use .....	0.5	2.9	1.5	0.2	—	2.1	—	0.0	1.3
Other Oils for Petro. Feed. Use .....	0.1	1.2	0.9	—	—	0.9	—	—	0.5
Special Naphthas .....	0.4	0.5	—	3.2	—	0.3	—	0.1	0.2
Lubricants .....	0.2	1.3	1.5	12.5	—	1.6	—	0.4	1.0
Waxes .....	—	0.0	0.0	0.3	—	0.0	—	—	0.0
Petroleum Coke .....	2.4	6.8	6.1	2.5	1.6	6.0	4.3	6.0	5.6
Asphalt and Road Oil .....	1.1	0.2	0.3	12.2	1.3	0.6	6.2	0.7	1.6
Still Gas .....	4.2	4.4	3.9	2.4	2.2	4.1	4.0	4.6	4.1
Miscellaneous Products .....	0.6	0.8	0.5	0.0	1.0	0.7	0.6	0.6	0.6
Processing Gain(-) or Loss(+) <sup>4</sup> .....	-4.7	-8.2	-6.4	-0.3	-2.0	-7.0	-5.2	-8.3	-6.8

— = No Data Reported.

<sup>1</sup> Based on net production of finished motor gasoline minus input of natural gas plant liquids, fuel ethanol, oxygenates, and net input of motor gasoline blending components.

<sup>2</sup> Based on finished aviation gasoline net production minus net input of aviation gasoline blending components.

<sup>3</sup> Based on distillate fuel oil net production minus input of biodiesel, "other" renewable diesel fuels, and "other" renewable fuels.

<sup>4</sup> Represents the arithmetic difference between refinery input and production divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Percent yield is calculated as net production (or adjusted net production) divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Calculated from data on Tables 30 and 31.

**Table 36. Imports of Residual Fuel Oil by Sulfur Content and by PAD District and State of Entry, January 2017**  
(Thousand Barrels)

PAD District and State of Entry	Residual Fuel Oil			
	Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>PAD District 1</b> .....	—	236	2,249	2,485
Connecticut .....	—	—	—	—
Delaware .....	—	—	—	—
Florida .....	—	—	—	—
Georgia .....	—	—	202	202
Maine .....	—	—	—	—
Maryland .....	—	—	177	177
Massachusetts .....	—	—	—	—
New Hampshire .....	—	—	—	—
New Jersey .....	—	236	1,472	1,708
New York .....	—	—	163	163
North Carolina .....	—	—	—	—
Pennsylvania .....	—	—	125	125
Rhode Island .....	—	—	—	—
South Carolina .....	—	—	98	98
Vermont .....	—	—	2	2
Virginia .....	—	—	10	10
West Virginia .....	—	—	—	—
<b>PAD District 2</b> .....	—	31	94	125
Illinois .....	—	—	—	—
Indiana .....	—	—	—	—
Michigan .....	—	—	94	94
Minnesota .....	—	21	—	21
North Dakota .....	—	10	—	10
Ohio .....	—	—	—	—
Wisconsin .....	—	—	—	—
<b>PAD District 3</b> .....	250	—	1,207	1,457
Alabama .....	—	—	—	—
Louisiana .....	—	—	—	—
Mississippi .....	—	—	—	—
New Mexico .....	—	—	—	—
Texas .....	250	—	1,207	1,457
<b>PAD District 4</b> .....	—	—	—	—
Idaho .....	—	—	—	—
Montana .....	—	—	—	—
<b>PAD District 5</b> .....	—	—	1,386	1,386
Alaska .....	—	—	—	—
California .....	—	—	1,331	1,331
Hawaii .....	—	—	—	—
Oregon .....	—	—	—	—
Washington .....	—	—	55	55
<b>U.S. Total</b> .....	250	267	4,936	5,453

— = No Data Reported.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."



**Table 37. Imports of Crude Oil and Petroleum Products by PAD District, January 2017**  
(Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1,2</sup></b>	<b>30,917</b>	<b>80,313</b>	<b>108,100</b>	<b>10,087</b>	<b>32,080</b>	<b>261,497</b>	<b>8,435</b>
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b>	<b>2,609</b>	<b>3,663</b>	<b>640</b>	<b>548</b>	<b>1,327</b>	<b>8,787</b>	<b>283</b>
Pentanes Plus	—	5	630	—	—	635	20
Liquefied Petroleum Gases	2,609	3,658	10	548	1,327	8,152	263
Ethane	—	—	—	—	—	—	—
Ethylene	—	—	—	—	—	—	—
Propane	2,098	2,858	10	541	1,150	6,657	215
Propylene	381	466	—	—	—	847	27
Normal Butane	18	99	—	—	160	277	9
Butylene	—	71	—	—	—	71	2
Isobutane	112	164	—	7	17	300	10
Isobutylene	—	—	—	—	—	—	—
<b>Other Liquids</b>	<b>20,078</b>	<b>466</b>	<b>15,677</b>	<b>12</b>	<b>4,614</b>	<b>40,847</b>	<b>1,318</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	183	29	823	6	323	1,364	44
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	418	—	—	418	13
Methyl Tertiary Butyl Ether (MTBE)	—	—	351	—	—	351	11
Other Oxygenates <sup>3</sup>	—	—	67	—	—	67	2
Renewable Fuels (including Fuel Ethanol)	183	2	394	6	323	908	29
Fuel Ethanol	—	—	394	—	—	394	13
Biomass-Based Diesel Fuel	183	2	—	6	50	241	8
Other Renewable Diesel Fuel	—	—	—	—	273	273	9
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	27	11	—	—	38	1
Unfinished Oils <sup>1</sup>	3,341	—	13,301	—	3,864	20,506	661
Naphthas and Lighter	978	—	364	—	—	1,342	43
Kerosene and Lighter Gas Oils	—	—	—	—	—	—	—
Heavy Gas Oils	1,979	—	9,016	—	3,038	14,033	453
Residuum	384	—	3,921	—	826	5,131	166
Motor Gasoline Blend.Comp. (MGBC)	16,554	437	1,553	6	427	18,977	612
Reformulated - RBOB	6,481	—	—	—	—	6,481	209
Conventional	10,073	437	1,553	6	427	12,496	403
CBOB	724	65	—	—	419	1,208	39
GTAB	2,730	—	142	—	—	2,872	93
Other	6,619	372	1,411	6	8	8,416	271
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b>	<b>11,317</b>	<b>827</b>	<b>3,674</b>	<b>77</b>	<b>4,608</b>	<b>20,503</b>	<b>661</b>
Finished Motor Gasoline	865	—	—	—	169	1,034	33
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	865	—	—	—	169	1,034	33
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	865	—	—	—	169	1,034	33
Finished Aviation Gasoline	1	1	—	—	—	2	0
Kerosene-Type Jet Fuel	1,594	—	—	8	2,749	4,351	140
Bonded Aircraft Fuel	187	—	—	—	1,580	1,767	57
Other	1,407	—	—	8	1,169	2,584	83
Kerosene	—	—	—	—	—	—	—
Distillate Fuel Oil	5,872	101	191	10	154	6,328	204
15 ppm sulfur and under	4,347	90	—	10	145	4,592	148
Bonded	—	—	—	—	—	—	—
Other	4,347	90	—	10	145	4,592	148
Greater than 15 ppm to 500 ppm sulfur	42	—	—	—	—	42	1
Bonded	—	—	—	—	—	—	—
Other	42	—	—	—	—	42	1
Greater than 500 ppm to 2000 ppm sulfur	1,483	—	—	—	9	1,492	48
Bonded	—	—	—	—	—	—	—
Other	1,483	—	—	—	9	1,492	48
Greater than 2000 ppm	—	11	191	—	—	202	7
Bonded	—	—	—	—	—	—	—
Other	—	11	191	—	—	202	7
Residual Fuel Oil	2,485	125	1,457	—	1,386	5,453	176
Less than 0.31 percent sulfur	—	—	250	—	—	250	8
0.31 to 1.00 percent sulfur	236	31	—	—	—	267	9
Greater than 1.00 percent sulfur	2,249	94	1,207	—	1,386	4,936	159
Petrochemical Feedstocks	—	163	446	—	37	646	21
Naphtha for Petro. Feed. Use	—	82	433	—	37	552	18
Other Oils for Petro. Feed. Use	—	81	13	—	—	94	3
Special Naphthas	—	34	477	—	—	511	16
Lubricants	127	202	937	—	22	1,288	42
Waxes	58	5	11	—	7	81	3
Petroleum Coke (Marketable)	3	15	155	—	23	196	6
Asphalt and Road Oil	312	181	—	58	61	612	20
Miscellaneous Products	—	—	—	1	—	1	0
<b>Total</b>	<b>64,921</b>	<b>85,269</b>	<b>128,091</b>	<b>10,724</b>	<b>42,629</b>	<b>331,634</b>	<b>10,698</b>

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 38. Year-to-Date Imports of Crude Oil and Petroleum Products by PAD District, January-January 2017**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1,2</sup></b>	<b>30,917</b>	<b>80,313</b>	<b>108,100</b>	<b>10,087</b>	<b>32,080</b>	<b>261,497</b>	<b>8,435</b>
<b>Natural Gas Plant Liquids and Liquefied Refinery Gases</b>	<b>2,609</b>	<b>3,663</b>	<b>640</b>	<b>548</b>	<b>1,327</b>	<b>8,787</b>	<b>283</b>
Pentanes Plus	—	5	630	—	—	635	20
Liquefied Petroleum Gases	2,609	3,658	10	548	1,327	8,152	263
Ethane	—	—	—	—	—	—	—
Ethylene	—	—	—	—	—	—	—
Propane	2,098	2,858	10	541	1,150	6,657	215
Propylene	381	466	—	—	—	847	27
Normal Butane	18	99	—	—	160	277	9
Butylene	—	71	—	—	—	71	2
Isobutane	112	164	—	7	17	300	10
Isobutylene	—	—	—	—	—	—	—
<b>Other Liquids</b>	<b>20,078</b>	<b>466</b>	<b>15,677</b>	<b>12</b>	<b>4,614</b>	<b>40,847</b>	<b>1,318</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	183	29	823	6	323	1,364	44
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	418	—	—	418	13
Methyl Tertiary Butyl Ether (MTBE)	—	—	351	—	—	351	11
Other Oxygenates <sup>3</sup>	—	—	67	—	—	67	2
Renewable Fuels (including Fuel Ethanol)	183	2	394	6	323	908	29
Fuel Ethanol	—	—	394	—	—	394	13
Biomass-Based Diesel Fuel	183	2	—	6	50	241	8
Other Renewable Diesel Fuel	—	—	—	—	273	273	9
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	27	11	—	—	38	1
Unfinished Oils <sup>1</sup>	3,341	—	13,301	—	3,864	20,506	661
Naphthas and Lighter	978	—	364	—	—	1,342	43
Kerosene and Lighter Gas Oils	—	—	—	—	—	—	—
Heavy Gas Oils	1,979	—	9,016	—	3,038	14,033	453
Residuum	384	—	3,921	—	826	5,131	166
Motor Gasoline Blend.Comp. (MGBC)	16,554	437	1,553	6	427	18,977	612
Reformulated - RBOB	6,481	—	—	—	—	6,481	209
Conventional	10,073	437	1,553	6	427	12,496	403
CBOB	724	65	—	—	419	1,208	39
GTAB	2,730	—	142	—	—	2,872	93
Other	6,619	372	1,411	6	8	8,416	271
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b>	<b>11,317</b>	<b>827</b>	<b>3,674</b>	<b>77</b>	<b>4,608</b>	<b>20,503</b>	<b>661</b>
Finished Motor Gasoline	865	—	—	—	169	1,034	33
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	865	—	—	—	169	1,034	33
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	865	—	—	—	169	1,034	33
Finished Aviation Gasoline	1	1	—	—	—	2	0
Kerosene-Type Jet Fuel	1,594	—	—	8	2,749	4,351	140
Bonded Aircraft Fuel	187	—	—	—	1,580	1,767	57
Other	1,407	—	—	8	1,169	2,584	83
Kerosene	—	—	—	—	—	—	—
Distillate Fuel Oil	5,872	101	191	10	154	6,328	204
15 ppm sulfur and under	4,347	90	—	10	145	4,592	148
Bonded	—	—	—	—	—	—	—
Other	4,347	90	—	10	145	4,592	148
Greater than 15 ppm to 500 ppm sulfur	42	—	—	—	—	42	1
Bonded	—	—	—	—	—	—	—
Other	42	—	—	—	—	42	1
Greater than 500 ppm to 2000 ppm sulfur	1,483	—	—	—	9	1,492	48
Bonded	—	—	—	—	—	—	—
Other	1,483	—	—	—	9	1,492	48
Greater than 2000 ppm	—	11	191	—	—	202	7
Bonded	—	—	—	—	—	—	—
Other	—	11	191	—	—	202	7
Residual Fuel Oil	2,485	125	1,457	—	1,386	5,453	176
Less than 0.31 percent sulfur	—	—	250	—	—	250	8
0.31 to 1.00 percent sulfur	236	31	—	—	—	267	9
Greater than 1.00 percent sulfur	2,249	94	1,207	—	1,386	4,936	159
Petrochemical Feedstocks	—	163	446	—	37	646	21
Naphtha for Petro. Feed. Use	—	82	433	—	37	552	18
Other Oils for Petro. Feed. Use	—	81	13	—	—	94	3
Special Naphthas	—	34	477	—	—	511	16
Lubricants	127	202	937	—	22	1,288	42
Waxes	58	5	11	—	7	81	3
Petroleum Coke (Marketable)	3	15	155	—	23	196	6
Asphalt and Road Oil	312	181	—	58	61	612	20
Miscellaneous Products	—	—	—	1	—	1	0
<b>Total</b>	<b>64,921</b>	<b>85,269</b>	<b>128,091</b>	<b>10,724</b>	<b>42,629</b>	<b>331,634</b>	<b>10,698</b>

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January 2017**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>110,953</b>	—	—	<b>4,320</b>	—	—	—	—	<b>1,053</b>	<b>1,053</b>
Algeria .....	3,651	—	—	3,555	—	—	—	—	—	—
Angola .....	3,239	—	—	370	—	—	—	—	51	51
Ecuador .....	7,671	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—
Iraq .....	19,286	—	—	—	—	—	—	—	—	—
Kuwait .....	3,265	—	—	—	—	—	—	—	—	—
Libya .....	581	—	—	395	—	—	—	—	—	—
Nigeria .....	9,778	—	—	—	—	—	—	—	515	515
Qatar .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	41,651	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—
Venezuela .....	21,831	—	—	—	—	—	—	—	487	487
<b>Non-OPEC</b> .....	<b>150,544</b>	<b>635</b>	<b>8,152</b>	<b>16,186</b>	—	<b>1,034</b>	<b>1,034</b>	<b>6,481</b>	<b>11,443</b>	<b>17,924</b>
Argentina .....	—	—	—	—	—	—	—	—	142	142
Aruba .....	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	1,138	—	—	—	—	1,053	1,053
Brazil .....	6,038	—	—	245	—	—	—	—	14	14
Brunei .....	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	26	—	—	—	—	—	—
Canada .....	109,278	5	7,836	1,091	—	623	623	3,272	2,410	5,682
Chad .....	951	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—
Colombia .....	9,691	—	—	—	—	—	—	—	590	590
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	45	—	—	—	—	45	45
Egypt .....	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	39	39
France .....	—	—	—	269	—	—	—	580	99	679
Germany .....	—	—	—	87	—	—	—	—	—	—
Guatemala .....	277	—	—	—	—	—	—	—	—	—
India .....	—	—	—	132	—	—	—	—	1,117	1,117
Indonesia .....	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	234	234
Korea, South .....	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	19,686	300	—	—	—	—	—	—	302	302
Netherlands .....	—	—	—	737	—	—	—	385	574	959
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
Norway .....	2,049	—	—	566	—	—	—	667	861	1,528
Oman .....	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	288	288
Russia .....	—	—	—	9,094	—	—	—	179	1,366	1,545
Spain .....	—	—	—	264	—	35	35	86	741	827
Sweden .....	—	—	237	241	—	—	—	—	574	574
Syria .....	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	79	—	—	—	—	—	—	—
United Kingdom .....	1,578	—	—	202	—	376	376	1,312	700	2,012
Vietnam .....	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. .....	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—
Other .....	996	330	0	2,049	—	0	0	0	294	294
<b>Total</b> .....	<b>261,497</b>	<b>635</b>	<b>8,152</b>	<b>20,506</b>	—	<b>1,034</b>	<b>1,034</b>	<b>6,481</b>	<b>12,496</b>	<b>18,977</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>64,202</b>	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	69	—	69
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	69	—	69
<b>Non-OPEC</b> .....	351	67	394	241	273	—	4,592	42	1,423	202	6,259
Argentina .....	—	—	—	145	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	26	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	67	394	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	96	—	—	3,958	42	1,292	11	5,303
Chad .....	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	115	115
Germany .....	33	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	634	—	—	—	634
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	100	—	100
Netherlands .....	292	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—	76	76
Spain .....	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	31	—	31
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	0	0	273	—	0	0	0	0	0
<b>Total</b> .....	351	67	394	241	273	—	4,592	42	1,492	202	6,328
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	242	37	250	—	300	550
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	8	37	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	234	—	250	—	300	550
<b>Non-OPEC</b> .....	—	2	—	4,109	474	—	267	4,636	4,903
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	20	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	2	—	388	116	—	31	1,138	1,169
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	1,196	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	416	416
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	36	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	415	—	—	—	1	1
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	1,452	103	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	1,958	1,958
Netherlands .....	—	—	—	—	14	—	—	261	261
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	14	—	—	—	—
Russia .....	—	—	—	32	—	—	49	—	49
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	322	322
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	0	—	626	171	0	187	540	727
<b>Total</b> .....	—	2	—	4,351	511	250	267	4,936	5,453
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	8	37	—	—	—	—

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b>	—	—	—	—	56	298	—	6,625	117,578	3,579	214	3,793
Algeria	—	—	—	—	—	—	—	3,555	7,206	118	115	232
Angola	—	—	—	—	—	—	—	421	3,660	104	14	118
Ecuador	—	—	—	—	—	—	—	—	7,671	247	—	247
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	19,286	622	—	622
Kuwait	—	—	—	—	—	—	—	—	3,265	105	—	105
Libya	—	—	—	—	—	—	—	395	976	19	13	31
Nigeria	—	—	—	—	—	—	—	515	10,293	315	17	332
Qatar	—	—	—	—	—	298	—	298	298	—	10	10
Saudi Arabia	—	—	—	—	—	—	—	45	41,696	1,344	1	1,345
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	56	—	—	1,396	23,227	704	45	749
<b>Non-OPEC</b>	552	94	81	196	556	990	1	63,512	214,056	4,856	2,049	6,905
Argentina	—	—	—	—	—	1	—	288	288	—	9	9
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	93	—	93	93	—	3	3
Belgium	—	—	—	—	—	3	—	2,220	2,220	—	72	72
Brazil	—	—	—	—	—	—	—	740	6,778	195	24	219
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	26	26	—	1	1
Canada	82	81	56	36	556	322	1	23,472	132,750	3,525	757	4,282
Chad	—	—	—	—	—	—	—	—	951	31	—	31
China	—	—	9	—	—	—	—	1,205	1,205	—	39	39
Colombia	—	—	—	—	—	—	—	1,006	10,697	313	32	345
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	90	90	—	3	3
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	39	39	—	1	1
France	—	13	—	—	—	25	—	1,101	1,101	—	36	36
Germany	—	—	—	—	—	49	—	205	205	—	7	7
Guatemala	—	—	—	—	—	—	—	—	277	9	—	9
India	—	—	—	—	—	—	—	2,299	2,299	—	74	74
Indonesia	—	—	—	—	—	74	—	74	74	—	2	2
Italy	—	—	—	—	—	4	—	239	239	—	8	8
Korea, South	—	—	—	—	—	381	—	1,936	1,936	—	62	62
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	12	—	—	—	—	12	12	—	0	0
Mexico	287	—	—	—	—	—	—	2,947	22,633	635	95	730
Netherlands	69	—	—	—	—	—	—	2,339	2,339	—	75	75
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	2,094	4,143	66	68	134
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	302	302	—	10	10
Russia	—	—	—	—	—	—	—	10,796	10,796	—	348	348
Spain	—	—	2	—	—	—	—	1,128	1,128	—	36	36
Sweden	—	—	—	3	—	—	—	1,055	1,055	—	34	34
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	432	432	—	14	14
United Kingdom	31	—	—	155	—	9	—	2,785	4,363	51	90	141
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	83	0	2	2	0	29	0	4,589	5,585	31	149	180
<b>Total</b>	552	94	81	196	612	1,288	1	70,137	331,634	8,435	2,262	10,698
<b>Persian Gulf<sup>3</sup></b>	—	—	—	—	—	391	—	436	64,638	2,071	14	2,085

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."



**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-January 2017**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>110,953</b>	—	—	<b>4,320</b>	—	—	—	—	<b>1,053</b>	<b>1,053</b>
Algeria .....	3,651	—	—	3,555	—	—	—	—	—	—
Angola .....	3,239	—	—	370	—	—	—	—	51	51
Ecuador .....	7,671	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—
Iraq .....	19,286	—	—	—	—	—	—	—	—	—
Kuwait .....	3,265	—	—	—	—	—	—	—	—	—
Libya .....	581	—	—	395	—	—	—	—	—	—
Nigeria .....	9,778	—	—	—	—	—	—	—	515	515
Qatar .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	41,651	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—
Venezuela .....	21,831	—	—	—	—	—	—	—	487	487
<b>Non-OPEC</b> .....	<b>150,544</b>	<b>635</b>	<b>8,152</b>	<b>16,186</b>	—	<b>1,034</b>	<b>1,034</b>	<b>6,481</b>	<b>11,443</b>	<b>17,924</b>
Argentina .....	—	—	—	—	—	—	—	—	142	142
Aruba .....	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	1,138	—	—	—	—	1,053	1,053
Brazil .....	6,038	—	—	245	—	—	—	—	14	14
Brunei .....	—	—	—	—	—	—	—	—	—	—
Cameroun .....	—	—	—	26	—	—	—	—	—	—
Canada .....	109,278	5	7,836	1,091	—	623	623	3,272	2,410	5,682
Chad .....	951	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—
Colombia .....	9,691	—	—	—	—	—	—	—	590	590
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	45	—	—	—	—	45	45
Egypt .....	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	39	39
France .....	—	—	—	269	—	—	—	580	99	679
Germany .....	—	—	—	87	—	—	—	—	—	—
Guatemala .....	277	—	—	—	—	—	—	—	—	—
India .....	—	—	—	132	—	—	—	—	1,117	1,117
Indonesia .....	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	234	234
Korea, South .....	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	19,686	300	—	—	—	—	—	—	302	302
Netherlands .....	—	—	—	737	—	—	—	385	574	959
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
Norway .....	2,049	—	—	566	—	—	—	667	861	1,528
Oman .....	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	288	288
Russia .....	—	—	—	9,094	—	—	—	179	1,366	1,545
Spain .....	—	—	—	264	—	35	35	86	741	827
Sweden .....	—	—	237	241	—	—	—	—	574	574
Syria .....	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	79	—	—	—	—	—	—	—
United Kingdom .....	1,578	—	—	202	—	376	376	1,312	700	2,012
Vietnam .....	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. .....	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—
Other .....	996	330	0	2,049	—	0	0	0	294	294
<b>Total</b> .....	<b>261,497</b>	<b>635</b>	<b>8,152</b>	<b>20,506</b>	—	<b>1,034</b>	<b>1,034</b>	<b>6,481</b>	<b>12,496</b>	<b>18,977</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>64,202</b>	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	69	—	69
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	69	—	69
<b>Non-OPEC</b> .....	351	67	394	241	273	—	4,592	42	1,423	202	6,259
Argentina .....	—	—	—	145	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	26	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	67	394	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	96	—	—	3,958	42	1,292	11	5,303
Chad .....	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	115	115
Germany .....	33	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	634	—	—	—	634
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	100	—	100
Netherlands .....	292	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—	76	76
Spain .....	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	31	—	31
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	0	0	273	—	0	0	0	0	0
<b>Total</b> .....	351	67	394	241	273	—	4,592	42	1,492	202	6,328
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	242	37	250	—	300	550
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	8	37	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	234	—	250	—	300	550
<b>Non-OPEC</b> .....	—	2	—	4,109	474	—	267	4,636	4,903
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	20	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	2	—	388	116	—	31	1,138	1,169
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	1,196	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	416	416
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	36	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	415	—	—	—	1	1
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	1,452	103	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	1,958	1,958
Netherlands .....	—	—	—	—	14	—	—	261	261
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	14	—	—	—	—
Russia .....	—	—	—	32	—	—	49	—	49
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	322	322
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	0	—	626	171	0	187	540	727
<b>Total</b> .....	—	2	—	4,351	511	250	267	4,936	5,453
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	8	37	—	—	—	—

See footnotes at end of table.

**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b> .....	—	—	—	—	56	298	—	6,625	117,578	3,579	214	3,793
Algeria .....	—	—	—	—	—	—	—	3,555	7,206	118	115	232
Angola .....	—	—	—	—	—	—	—	421	3,660	104	14	118
Ecuador .....	—	—	—	—	—	—	—	—	7,671	247	—	247
Gabon .....	—	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	19,286	622	—	622
Kuwait .....	—	—	—	—	—	—	—	—	3,265	105	—	105
Libya .....	—	—	—	—	—	—	—	395	976	19	13	31
Nigeria .....	—	—	—	—	—	—	—	515	10,293	315	17	332
Qatar .....	—	—	—	—	—	298	—	298	298	—	10	10
Saudi Arabia .....	—	—	—	—	—	—	—	45	41,696	1,344	1	1,345
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	56	—	—	1,396	23,227	704	45	749
<b>Non-OPEC</b> .....	552	94	81	196	556	990	1	63,512	214,056	4,856	2,049	6,905
Argentina .....	—	—	—	—	—	1	—	288	288	—	9	9
Aruba .....	—	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	93	—	93	93	—	3	3
Belgium .....	—	—	—	—	—	3	—	2,220	2,220	—	72	72
Brazil .....	—	—	—	—	—	—	—	740	6,778	195	24	219
Brunei .....	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	26	26	—	1	1
Canada .....	82	81	56	36	556	322	1	23,472	132,750	3,525	757	4,282
Chad .....	—	—	—	—	—	—	—	—	951	31	—	31
China .....	—	—	9	—	—	—	—	1,205	1,205	—	39	39
Colombia .....	—	—	—	—	—	—	—	1,006	10,697	313	32	345
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	90	90	—	3	3
Egypt .....	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	39	39	—	1	1
France .....	—	13	—	—	—	25	—	1,101	1,101	—	36	36
Germany .....	—	—	—	—	—	49	—	205	205	—	7	7
Guatemala .....	—	—	—	—	—	—	—	—	277	9	—	9
India .....	—	—	—	—	—	—	—	2,299	2,299	—	74	74
Indonesia .....	—	—	—	—	—	74	—	74	74	—	2	2
Italy .....	—	—	—	—	—	4	—	239	239	—	8	8
Korea, South .....	—	—	—	—	—	381	—	1,936	1,936	—	62	62
Latvia .....	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	12	—	—	—	—	12	12	—	0	0
Mexico .....	287	—	—	—	—	—	—	2,947	22,633	635	95	730
Netherlands .....	69	—	—	—	—	—	—	2,339	2,339	—	75	75
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	2,094	4,143	66	68	134
Oman .....	—	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	302	302	—	10	10
Russia .....	—	—	—	—	—	—	—	10,796	10,796	—	348	348
Spain .....	—	—	2	—	—	—	—	1,128	1,128	—	36	36
Sweden .....	—	—	—	3	—	—	—	1,055	1,055	—	34	34
Syria .....	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	432	432	—	14	14
United Kingdom .....	31	—	—	155	—	9	—	2,785	4,363	51	90	141
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. .....	—	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—	—
Other .....	83	0	2	2	0	29	0	4,589	5,585	31	149	180
<b>Total</b> .....	552	94	81	196	612	1,288	1	70,137	331,634	8,435	2,262	10,698
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	391	—	436	64,638	2,071	14	2,085

— = No Data Reported.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2017**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>17,572</b>	—	—	<b>785</b>	—	—	—	—	<b>1,053</b>	<b>1,053</b>
Algeria .....	2,586	—	—	785	—	—	—	—	—	—
Angola .....	2,242	—	—	—	—	—	—	—	51	51
Ecuador .....	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—
Iraq .....	1,998	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—
Nigeria .....	6,803	—	—	—	—	—	—	—	515	515
Qatar .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	2,633	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—
Venezuela .....	1,310	—	—	—	—	—	—	—	487	487
<b>Non-OPEC</b> .....	<b>13,345</b>	—	<b>2,609</b>	<b>2,556</b>	—	<b>865</b>	<b>865</b>	<b>6,481</b>	<b>9,020</b>	<b>15,501</b>
Argentina .....	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	357	—	—	—	—	396	396
Brazil .....	1,004	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—
Canada .....	7,120	—	2,372	—	—	454	454	3,272	1,540	4,812
Chad .....	951	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—
Colombia .....	1,535	—	—	—	—	—	—	—	397	397
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	45	45
Egypt .....	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	39	39
France .....	—	—	—	—	—	—	—	580	99	679
Germany .....	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	1,117	1,117
Indonesia .....	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	234	234
Korea, South .....	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	198	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	346	—	—	—	385	574	959
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
Norway .....	2,049	—	—	—	—	—	—	667	861	1,528
Oman .....	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	288	288
Russia .....	—	—	—	718	—	—	—	179	1,366	1,545
Spain .....	—	—	—	264	—	35	35	86	535	621
Sweden .....	—	—	237	167	—	—	—	—	574	574
Syria .....	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	488	—	—	157	—	376	376	1,312	661	1,973
Vietnam .....	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. .....	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—
Other .....	0	—	0	547	—	0	0	0	294	294
<b>Total</b> .....	<b>30,917</b>	—	<b>2,609</b>	<b>3,341</b>	—	<b>865</b>	<b>865</b>	<b>6,481</b>	<b>10,073</b>	<b>16,554</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>4,631</b>	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b>	—	—	—	—	—	—	—	—	69	—	69
Algeria	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	69	—	69
<b>Non-OPEC</b>	—	—	—	183	—	—	4,347	42	1,414	—	5,803
Argentina	—	—	—	145	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	38	—	—	3,713	42	1,283	—	5,038
Chad	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	634	—	—	—	634
Indonesia	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	100	—	100
Netherlands	—	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	31	—	31
United Kingdom	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—
Other	—	—	—	0	—	—	0	0	0	—	0
<b>Total</b>	—	—	—	183	—	—	4,347	42	1,483	—	5,872
<b>Persian Gulf<sup>3</sup></b>	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.



**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	233	—	—	—	35	35
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	233	—	—	—	35	35
<b>Non-OPEC</b> .....	—	1	—	1,361	—	—	236	2,214	2,450
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	1	—	388	—	—	—	678	678
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	262	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	416	416
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	415	—	—	—	1	1
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	296	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	477	477
Netherlands .....	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	49	—	49
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	322	322
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	0	—	0	—	—	187	320	507
<b>Total</b> .....	—	1	—	1,594	—	—	236	2,249	2,485
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b>	—	—	—	—	56	—	—	2,231	19,803	567	72	639
Algeria	—	—	—	—	—	—	—	785	3,371	83	25	109
Angola	—	—	—	—	—	—	—	51	2,293	72	2	74
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	1,998	64	—	64
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	515	7,318	219	17	236
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	2,633	85	—	85
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	56	—	—	880	2,190	42	28	71
<b>Non-OPEC</b>	—	—	58	3	256	127	—	31,773	45,118	430	1,025	1,455
Argentina	—	—	—	—	—	—	—	145	145	—	5	5
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	753	753	—	24	24
Brazil	—	—	—	—	—	—	—	—	1,004	32	—	32
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	51	1	256	115	—	14,204	21,324	230	458	688
Chad	—	—	—	—	—	—	—	—	951	31	—	31
China	—	—	4	—	—	—	—	266	266	—	9	9
Colombia	—	—	—	—	—	—	—	813	2,348	50	26	76
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	45	45	—	1	1
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	39	39	—	1	1
France	—	—	—	—	—	6	—	685	685	—	22	22
Germany	—	—	—	—	—	6	—	6	6	—	0	0
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	2,167	2,167	—	70	70
Indonesia	—	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	234	234	—	8	8
Korea, South	—	—	—	—	—	—	—	296	296	—	10	10
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	577	775	6	19	25
Netherlands	—	—	—	—	—	—	—	1,305	1,305	—	42	42
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	1,528	3,577	66	49	115
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	288	288	—	9	9
Russia	—	—	—	—	—	—	—	2,312	2,312	—	75	75
Spain	—	—	2	—	—	—	—	922	922	—	30	30
Sweden	—	—	—	—	—	—	—	978	978	—	32	32
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	353	353	—	11	11
United Kingdom	—	—	—	—	—	—	—	2,506	2,994	16	81	97
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	—	—	1	2	0	0	—	1,351	1,351	-1	43	42
<b>Total</b>	—	—	58	3	312	127	—	34,004	64,921	997	1,097	2,094
<b>Persian Gulf<sup>3</sup></b>	—	—	—	—	—	—	—	—	4,631	149	—	149

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2017**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>4,942</b>	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	4,891	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	51	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>75,371</b>	<b>5</b>	<b>3,658</b>	-	-	-	-	-	<b>437</b>	<b>437</b>
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	75,371	5	3,658	-	-	-	-	-	437	437
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	0	-	-	-	-	-	0	0
<b>Total</b> .....	<b>80,313</b>	<b>5</b>	<b>3,658</b>	-	-	-	-	-	<b>437</b>	<b>437</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>4,891</b>	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	—	—	—	2	—	—	90	—	—	11	101
Argentina .....	—	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	2	—	—	90	—	—	11	101
Chad .....	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—
Other .....	—	—	—	0	—	—	0	—	—	0	0
<b>Total</b> .....	—	—	—	2	—	—	90	—	—	11	101
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	—	1	—	—	34	—	31	94	125
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	1	—	—	34	—	31	94	125
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	0	—	—	0	—	0	0	0
<b>Total</b> .....	—	1	—	—	34	—	31	94	125
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	4,942	159	—	159
Algeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	4,891	158	—	—	158
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	51	2	—	—	2
<b>Non-OPEC</b> .....	82	81	5	15	181	202	—	4,956	80,327	2,431	160	2,591
Argentina .....	—	—	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—	—
Canada .....	82	81	5	12	181	202	—	4,953	80,324	2,431	160	2,591
Chad .....	—	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	3	—	—	—	3	3	—	0	0
Syria .....	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	0	0	0	0	—	0	0	0	0	0
<b>Total</b> .....	82	81	5	15	181	202	—	4,956	85,269	2,591	160	2,751
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	4,891	158	—	158

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."



**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2017**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>69,440</b>	—	—	<b>2,763</b>	—	—	—	—	—	—
Algeria .....	1,065	—	—	2,393	—	—	—	—	—	—
Angola .....	455	—	—	370	—	—	—	—	—	—
Ecuador .....	1,749	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—
Iraq .....	17,288	—	—	—	—	—	—	—	—	—
Kuwait .....	1,113	—	—	—	—	—	—	—	—	—
Libya .....	581	—	—	—	—	—	—	—	—	—
Nigeria .....	947	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	25,772	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—
Venezuela .....	20,470	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	<b>38,660</b>	<b>630</b>	<b>10</b>	<b>10,538</b>	—	—	—	—	<b>1,553</b>	<b>1,553</b>
Argentina .....	—	—	—	—	—	—	—	—	142	142
Aruba .....	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	781	—	—	—	—	657	657
Brazil .....	3,645	—	—	245	—	—	—	—	14	14
Brunei .....	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	26	—	—	—	—	—	—
Canada .....	10,422	—	10	220	—	—	—	—	—	—
Chad .....	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—
Colombia .....	4,138	—	—	—	—	—	—	—	193	193
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	45	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	269	—	—	—	—	—	—
Germany .....	—	—	—	87	—	—	—	—	—	—
Guatemala .....	277	—	—	—	—	—	—	—	—	—
India .....	—	—	—	132	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	19,088	300	—	—	—	—	—	—	302	302
Netherlands .....	—	—	—	391	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	566	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	6,356	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	206	206
Sweden .....	—	—	—	74	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	1,090	—	—	45	—	—	—	—	39	39
Vietnam .....	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—
Other .....	0	330	0	1,301	—	—	—	—	0	0
<b>Total</b> .....	<b>108,100</b>	<b>630</b>	<b>10</b>	<b>13,301</b>	—	—	—	—	<b>1,553</b>	<b>1,553</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>44,173</b>	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	<b>351</b>	<b>67</b>	<b>394</b>	—	—	—	—	—	—	<b>191</b>	<b>191</b>
Argentina .....	—	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	26	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	67	394	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	—	—	—	—	—	—	—	—
Chad .....	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	115	115
Germany .....	33	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	292	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—	76	76
Spain .....	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	0	—	—	—	—	—	—	0	0
<b>Total</b> .....	<b>351</b>	<b>67</b>	<b>394</b>	—	—	—	—	—	—	<b>191</b>	<b>191</b>
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	—	37	250	—	265	515
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	37	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	250	—	265	515
<b>Non-OPEC</b> .....	—	—	—	—	440	—	—	942	942
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	20	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	—	82	—	—	—	—
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	36	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	103	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	942	942
Netherlands .....	—	—	—	—	14	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	14	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	—	—	—	171	0	—	0	0
<b>Total</b> .....	—	—	—	—	477	250	—	1,207	1,457
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	37	—	—	—	—

See footnotes at end of table.

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b> .....	—	—	—	—	—	298	—	3,613	73,053	2,240	117	2,357
Algeria .....	—	—	—	—	—	—	—	2,393	3,458	34	77	112
Angola .....	—	—	—	—	—	—	—	370	825	15	12	27
Ecuador .....	—	—	—	—	—	—	—	—	1,749	56	—	56
Gabon .....	—	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	17,288	558	—	558
Kuwait .....	—	—	—	—	—	—	—	—	1,113	36	—	36
Libya .....	—	—	—	—	—	—	—	—	581	19	—	19
Nigeria .....	—	—	—	—	—	—	—	—	947	31	—	31
Qatar .....	—	—	—	—	—	298	—	298	298	—	10	10
Saudi Arabia .....	—	—	—	—	—	—	—	37	25,809	831	1	833
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	515	20,985	660	17	677
<b>Non-OPEC</b> .....	433	13	11	155	—	639	—	16,378	55,038	1,247	528	1,775
Argentina .....	—	—	—	—	—	1	—	143	143	—	5	5
Aruba .....	—	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	93	—	93	93	—	3	3
Belgium .....	—	—	—	—	—	3	—	1,467	1,467	—	47	47
Brazil .....	—	—	—	—	—	—	—	740	4,385	118	24	141
Brunei .....	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	26	26	—	1	1
Canada .....	—	—	—	—	—	—	—	312	10,734	336	10	346
Chad .....	—	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	193	4,331	133	6	140
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	45	45	—	1	1
Egypt .....	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—	—
France .....	—	13	—	—	—	19	—	416	416	—	13	13
Germany .....	—	—	—	—	—	43	—	199	199	—	6	6
Guatemala .....	—	—	—	—	—	—	—	—	277	9	—	9
India .....	—	—	—	—	—	—	—	132	132	—	4	4
Indonesia .....	—	—	—	—	—	74	—	74	74	—	2	2
Italy .....	—	—	—	—	—	4	—	5	5	—	0	0
Korea, South .....	—	—	—	—	—	365	—	468	468	—	15	15
Latvia .....	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	11	—	—	—	—	11	11	—	0	0
Mexico .....	287	—	—	—	—	—	—	1,831	20,919	616	59	675
Netherlands .....	69	—	—	—	—	—	—	773	773	—	25	25
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	566	566	—	18	18
Oman .....	—	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	14	14	—	0	0
Russia .....	—	—	—	—	—	—	—	6,432	6,432	—	207	207
Spain .....	—	—	—	—	—	—	—	206	206	—	7	7
Sweden .....	—	—	—	—	—	—	—	74	74	—	2	2
Syria .....	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	31	—	—	155	—	9	—	279	1,369	35	9	44
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. .....	—	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—	—
Other .....	46	0	0	0	—	28	—	1,879	1,879	0	64	64
<b>Total</b> .....	433	13	11	155	—	937	—	19,991	128,091	3,487	645	4,132
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	391	—	428	44,601	1,425	14	1,439

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2017**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven- tional	Total	Reform-ulated	Conven- tional	Total
	PAD District 4									
OPEC .....	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	10,087	-	548	-	-	-	-	-	6	6
Canada .....	10,087	-	548	-	-	-	-	-	6	6
Other .....	0	-	0	-	-	-	-	-	0	0
Total .....	10,087	-	548	-	-	-	-	-	6	6
	PAD District 5									
OPEC .....	18,999	-	-	772	-	-	-	-	-	-
Algeria .....	-	-	-	377	-	-	-	-	-	-
Angola .....	542	-	-	-	-	-	-	-	-	-
Ecuador .....	5,922	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	2,152	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	395	-	-	-	-	-	-
Nigeria .....	2,028	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	8,355	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	13,081	-	1,327	3,092	-	169	169	-	427	427
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	1,389	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Canada .....	6,278	-	1,248	871	-	169	169	-	427	427
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	4,018	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	400	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	201	-	-	-	-	-	-
Singapore .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Other .....	996	-	79	2,020	-	0	0	-	0	0
Total .....	32,080	-	1,327	3,864	-	169	169	-	427	427
Persian Gulf <sup>3</sup> .....	10,507	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
<b>PAD District 4</b>											
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	—	—	—	6	—	—	10	—	—	—	10
Canada .....	—	—	—	6	—	—	10	—	—	—	10
Other .....	—	—	—	0	—	—	0	—	—	—	0
<b>Total</b> .....	—	—	—	6	—	—	10	—	—	—	10
<b>PAD District 5</b>											
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	—	—	—	50	273	—	145	—	9	—	154
Argentina .....	—	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	50	—	—	145	—	9	—	154
China .....	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Japan .....	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Papua New Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Peru .....	—	—	—	—	—	—	—	—	—	—	—
Singapore .....	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—	—
Taiwan .....	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—
Other .....	—	—	—	0	273	—	0	—	0	—	0
<b>Total</b> .....	—	—	—	50	273	—	145	—	9	—	154
<b>Persian Gulf</b> <sup>3</sup> .....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2017**  
(Thousand Barrels) — Continued

Country of Origin			Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
	PAD District 4								
OPEC .....	—	—	—	8	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
Non-OPEC .....	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	—	—	—	—	—	—
Other .....	—	—	—	0	—	—	—	—	—
Total .....	—	—	—	8	—	—	—	—	—
	PAD District 5								
OPEC .....	—	—	—	1	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	1	—	—	—	—	—
Non-OPEC .....	—	—	—	2,748	—	—	—	1,386	1,386
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	—	—	—	—	366	366
China .....	—	—	—	934	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Japan .....	—	—	—	626	—	—	—	—	—
Korea, South .....	—	—	—	1,156	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	539	539
Netherlands .....	—	—	—	—	—	—	—	261	261
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Papua New Guinea .....	—	—	—	—	—	—	—	—	—
Peru .....	—	—	—	—	—	—	—	220	220
Singapore .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—
Taiwan .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Other .....	—	—	—	32	—	—	—	0	0
Total .....	—	—	—	2,749	—	—	—	1,386	1,386
Persian Gulf <sup>3</sup> .....	—	—	—	—	—	—	—	—	—

See footnotes at end of table.



**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks									Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
	PAD District 4											
OPEC .....	—	—	—	—	—	—	—	8	8	—	0	0
Algeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC .....	—	—	—	—	58	—	1	629	10,716	325	20	346
Canada .....	—	—	—	—	58	—	1	629	10,716	325	20	346
Other .....	—	—	—	—	0	—	0	0	0	0	0	0
Total .....	—	—	—	—	58	—	1	637	10,724	325	21	346
	PAD District 5											
OPEC .....	—	—	—	—	—	—	—	773	19,772	613	25	638
Algeria .....	—	—	—	—	—	—	—	377	377	—	12	12
Angola .....	—	—	—	—	—	—	—	—	542	17	—	17
Ecuador .....	—	—	—	—	—	—	—	—	5,922	191	—	191
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	2,152	69	—	69
Libya .....	—	—	—	—	—	—	—	395	395	—	13	13
Nigeria .....	—	—	—	—	—	—	—	—	2,028	65	—	65
Qatar .....	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	8,355	270	—	270
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	1	1	—	0	0
Non-OPEC .....	37	—	7	23	61	22	—	9,776	22,857	422	315	737
Argentina .....	—	—	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	1,389	45	—	45
Brunei .....	—	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	23	61	5	—	3,374	9,652	203	109	311
China .....	—	—	5	—	—	—	—	939	939	—	30	30
Colombia .....	—	—	—	—	—	—	—	—	4,018	130	—	130
Finland .....	—	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—	—
Japan .....	—	—	1	—	—	1	—	628	628	—	20	20
Korea, South .....	—	—	—	—	—	16	—	1,172	1,172	—	38	38
Malaysia .....	—	—	1	—	—	—	—	1	1	—	0	0
Mexico .....	—	—	—	—	—	—	—	539	939	13	17	30
Netherlands .....	—	—	—	—	—	—	—	261	261	—	8	8
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—	—
Papua New Guinea .....	—	—	—	—	—	—	—	—	—	—	—	—
Peru .....	—	—	—	—	—	—	—	421	421	—	14	14
Singapore .....	—	—	—	—	—	—	—	273	273	—	9	9
Sweden .....	—	—	—	—	—	—	—	—	—	—	—	—
Taiwan .....	37	—	—	—	—	—	—	37	37	—	1	1
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	—	0	0	0	0	—	2,131	3,127	31	69	101
Total .....	37	—	7	23	61	22	—	10,549	42,629	1,035	340	1,375
Persian Gulf <sup>3</sup> .....	—	—	—	—	—	—	—	—	10,507	339	—	339

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2017**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>17,572</b>	—	—	<b>785</b>	—	—	—	—	<b>1,053</b>	<b>1,053</b>
Algeria .....	2,586	—	—	785	—	—	—	—	—	—
Angola .....	2,242	—	—	—	—	—	—	—	51	51
Ecuador .....	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—
Iraq .....	1,998	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—
Nigeria .....	6,803	—	—	—	—	—	—	—	515	515
Qatar .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	2,633	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—
Venezuela .....	1,310	—	—	—	—	—	—	—	487	487
<b>Non-OPEC</b> .....	<b>13,345</b>	—	<b>2,609</b>	<b>2,556</b>	—	<b>865</b>	<b>865</b>	<b>6,481</b>	<b>9,020</b>	<b>15,501</b>
Argentina .....	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	357	—	—	—	—	396	396
Brazil .....	1,004	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—
Canada .....	7,120	—	2,372	—	—	454	454	3,272	1,540	4,812
Chad .....	951	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—
Colombia .....	1,535	—	—	—	—	—	—	—	397	397
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	45	45
Egypt .....	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	39	39
France .....	—	—	—	—	—	—	—	580	99	679
Germany .....	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	1,117	1,117
Indonesia .....	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	234	234
Korea, South .....	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	198	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	346	—	—	—	385	574	959
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
Norway .....	2,049	—	—	—	—	—	—	667	861	1,528
Oman .....	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	288	288
Russia .....	—	—	—	718	—	—	—	179	1,366	1,545
Spain .....	—	—	—	264	—	35	35	86	535	621
Sweden .....	—	—	237	167	—	—	—	—	574	574
Syria .....	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	488	—	—	157	—	376	376	1,312	661	1,973
Vietnam .....	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—
Other .....	0	—	0	547	—	0	0	0	294	294
<b>Total</b> .....	<b>30,917</b>	—	<b>2,609</b>	<b>3,341</b>	—	<b>865</b>	<b>865</b>	<b>6,481</b>	<b>10,073</b>	<b>16,554</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>4,631</b>	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	69	—	69
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	69	—	69
<b>Non-OPEC</b> .....	—	—	—	183	—	—	4,347	42	1,414	—	5,803
Argentina .....	—	—	—	145	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	38	—	—	3,713	42	1,283	—	5,038
Chad .....	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	634	—	—	—	634
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	100	—	100
Netherlands .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	31	—	31
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—
Other .....	—	—	—	0	—	—	0	0	0	—	0
<b>Total</b> .....	—	—	—	183	—	—	4,347	42	1,483	—	5,872
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	233	—	—	—	35	35
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	233	—	—	—	35	35
<b>Non-OPEC</b> .....	—	1	—	1,361	—	—	236	2,214	2,450
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	1	—	388	—	—	—	678	678
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	262	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	416	416
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	415	—	—	—	1	1
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	296	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	477	477
Netherlands .....	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	49	—	49
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	322	322
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	0	—	0	—	—	187	320	507
<b>Total</b> .....	—	1	—	1,594	—	—	236	2,249	2,485
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b> .....	—	—	—	—	56	—	—	2,231	19,803	567	72	639
Algeria .....	—	—	—	—	—	—	—	785	3,371	83	25	109
Angola .....	—	—	—	—	—	—	—	51	2,293	72	2	74
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	1,998	64	—	64
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	515	7,318	219	17	236
Qatar .....	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	2,633	85	—	85
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	56	—	—	880	2,190	42	28	71
<b>Non-OPEC</b> .....	—	—	58	3	256	127	—	31,773	45,118	430	1,025	1,455
Argentina .....	—	—	—	—	—	—	—	145	145	—	5	5
Aruba .....	—	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	753	753	—	24	24
Brazil .....	—	—	—	—	—	—	—	—	1,004	32	—	32
Brunei .....	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	51	1	256	115	—	14,204	21,324	230	458	688
Chad .....	—	—	—	—	—	—	—	—	951	31	—	31
China .....	—	—	4	—	—	—	—	266	266	—	9	9
Colombia .....	—	—	—	—	—	—	—	813	2,348	50	26	76
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	45	45	—	1	1
Egypt .....	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	39	39	—	1	1
France .....	—	—	—	—	—	6	—	685	685	—	22	22
Germany .....	—	—	—	—	—	6	—	6	6	—	0	0
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	2,167	2,167	—	70	70
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	234	234	—	8	8
Korea, South .....	—	—	—	—	—	—	—	296	296	—	10	10
Latvia .....	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	577	775	6	19	25
Netherlands .....	—	—	—	—	—	—	—	1,305	1,305	—	42	42
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	1,528	3,577	66	49	115
Oman .....	—	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	288	288	—	9	9
Russia .....	—	—	—	—	—	—	—	2,312	2,312	—	75	75
Spain .....	—	—	2	—	—	—	—	922	922	—	30	30
Sweden .....	—	—	—	—	—	—	—	978	978	—	32	32
Syria .....	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	353	353	—	11	11
United Kingdom .....	—	—	—	—	—	—	—	2,506	2,994	16	81	97
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—	—
Other .....	—	—	1	2	0	0	—	1,351	1,351	-1	43	42
<b>Total</b> .....	—	—	58	3	312	127	—	34,004	64,921	997	1,097	2,094
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	4,631	149	—	149

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2017**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>4,942</b>	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	4,891	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	51	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>75,371</b>	<b>5</b>	<b>3,658</b>	-	-	-	-	-	<b>437</b>	<b>437</b>
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	75,371	5	3,658	-	-	-	-	-	437	437
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	0	-	-	-	-	-	0	0
<b>Total</b> .....	<b>80,313</b>	<b>5</b>	<b>3,658</b>	-	-	-	-	-	<b>437</b>	<b>437</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>4,891</b>	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	-	-	2	-	-	90	-	-	11	101
Argentina .....	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	2	-	-	90	-	-	11	101
Chad .....	-	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	0	-	-	0	-	-	0	0
<b>Total</b> .....	-	-	-	2	-	-	90	-	-	11	101
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.



**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	—	1	—	—	34	—	31	94	125
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	1	—	—	34	—	31	94	125
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	0	—	—	0	—	0	0	0
<b>Total</b> .....	—	1	—	—	34	—	31	94	125
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	4,942	159	—	159
Algeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	4,891	158	—	—	158
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	51	2	—	—	2
<b>Non-OPEC</b> .....	82	81	5	15	181	202	—	4,956	80,327	2,431	160	2,591
Argentina .....	—	—	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—	—
Canada .....	82	81	5	12	181	202	—	4,953	80,324	2,431	160	2,591
Chad .....	—	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	3	—	—	—	3	3	—	0	0
Syria .....	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	0	0	0	0	—	0	0	0	0	0
<b>Total</b> .....	82	81	5	15	181	202	—	4,956	85,269	2,591	160	2,751
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	4,891	158	—	158

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2017**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>69,440</b>	—	—	<b>2,763</b>	—	—	—	—	—	—
Algeria .....	1,065	—	—	2,393	—	—	—	—	—	—
Angola .....	455	—	—	370	—	—	—	—	—	—
Ecuador .....	1,749	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—
Iraq .....	17,288	—	—	—	—	—	—	—	—	—
Kuwait .....	1,113	—	—	—	—	—	—	—	—	—
Libya .....	581	—	—	—	—	—	—	—	—	—
Nigeria .....	947	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	25,772	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—
Venezuela .....	20,470	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	<b>38,660</b>	<b>630</b>	<b>10</b>	<b>10,538</b>	—	—	—	—	<b>1,553</b>	<b>1,553</b>
Argentina .....	—	—	—	—	—	—	—	—	142	142
Aruba .....	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	781	—	—	—	—	657	657
Brazil .....	3,645	—	—	245	—	—	—	—	14	14
Brunei .....	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	26	—	—	—	—	—	—
Canada .....	10,422	—	10	220	—	—	—	—	—	—
Chad .....	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—
Colombia .....	4,138	—	—	—	—	—	—	—	193	193
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	45	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	269	—	—	—	—	—	—
Germany .....	—	—	—	87	—	—	—	—	—	—
Guatemala .....	277	—	—	—	—	—	—	—	—	—
India .....	—	—	—	132	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	19,088	300	—	—	—	—	—	—	302	302
Netherlands .....	—	—	—	391	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	566	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	6,356	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	206	206
Sweden .....	—	—	—	74	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	1,090	—	—	45	—	—	—	—	39	39
Vietnam .....	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—
Other .....	0	330	0	1,301	—	—	—	—	0	0
<b>Total</b> .....	<b>108,100</b>	<b>630</b>	<b>10</b>	<b>13,301</b>	—	—	—	—	<b>1,553</b>	<b>1,553</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>44,173</b>	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	<b>351</b>	<b>67</b>	<b>394</b>	—	—	—	—	—	—	<b>191</b>	<b>191</b>
Argentina .....	—	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	26	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	67	394	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	—	—	—	—	—	—	—	—
Chad .....	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	115	115
Germany .....	33	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	292	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—	76	76
Spain .....	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	0	—	—	—	—	—	—	0	0
<b>Total</b> .....	<b>351</b>	<b>67</b>	<b>394</b>	—	—	—	—	—	—	<b>191</b>	<b>191</b>
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	—	37	250	—	265	515
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	37	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	250	—	265	515
<b>Non-OPEC</b> .....	—	—	—	—	440	—	—	942	942
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	20	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	—	82	—	—	—	—
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	36	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	103	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	942	942
Netherlands .....	—	—	—	—	14	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	14	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	—	—	—	171	0	—	0	0
<b>Total</b> .....	—	—	—	—	477	250	—	1,207	1,457
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	37	—	—	—	—

See footnotes at end of table.

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b> .....	—	—	—	—	—	298	—	3,613	73,053	2,240	117	2,357
Algeria .....	—	—	—	—	—	—	—	2,393	3,458	34	77	112
Angola .....	—	—	—	—	—	—	—	370	825	15	12	27
Ecuador .....	—	—	—	—	—	—	—	—	1,749	56	—	56
Gabon .....	—	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	17,288	558	—	558
Kuwait .....	—	—	—	—	—	—	—	—	1,113	36	—	36
Libya .....	—	—	—	—	—	—	—	—	581	19	—	19
Nigeria .....	—	—	—	—	—	—	—	—	947	31	—	31
Qatar .....	—	—	—	—	—	298	—	298	298	—	10	10
Saudi Arabia .....	—	—	—	—	—	—	—	37	25,809	831	1	833
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	515	20,985	660	17	677
<b>Non-OPEC</b> .....	433	13	11	155	—	639	—	16,378	55,038	1,247	528	1,775
Argentina .....	—	—	—	—	—	1	—	143	143	—	5	5
Aruba .....	—	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	93	—	93	93	—	3	3
Belgium .....	—	—	—	—	—	3	—	1,467	1,467	—	47	47
Brazil .....	—	—	—	—	—	—	—	740	4,385	118	24	141
Brunei .....	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	26	26	—	1	1
Canada .....	—	—	—	—	—	—	—	312	10,734	336	10	346
Chad .....	—	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	193	4,331	133	6	140
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	45	45	—	1	1
Egypt .....	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—	—
France .....	—	13	—	—	—	19	—	416	416	—	13	13
Germany .....	—	—	—	—	—	43	—	199	199	—	6	6
Guatemala .....	—	—	—	—	—	—	—	—	277	9	—	9
India .....	—	—	—	—	—	—	—	132	132	—	4	4
Indonesia .....	—	—	—	—	—	74	—	74	74	—	2	2
Italy .....	—	—	—	—	—	4	—	5	5	—	0	0
Korea, South .....	—	—	—	—	—	365	—	468	468	—	15	15
Latvia .....	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	11	—	—	—	—	11	11	—	0	0
Mexico .....	287	—	—	—	—	—	—	1,831	20,919	616	59	675
Netherlands .....	69	—	—	—	—	—	—	773	773	—	25	25
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	566	566	—	18	18
Oman .....	—	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	14	14	—	0	0
Russia .....	—	—	—	—	—	—	—	6,432	6,432	—	207	207
Spain .....	—	—	—	—	—	—	—	206	206	—	7	7
Sweden .....	—	—	—	—	—	—	—	74	74	—	2	2
Syria .....	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	31	—	—	155	—	9	—	279	1,369	35	9	44
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. .....	—	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—	—
Other .....	46	0	0	0	—	28	—	1,879	1,879	0	64	64
<b>Total</b> .....	433	13	11	155	—	937	—	19,991	128,091	3,487	645	4,132
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	391	—	428	44,601	1,425	14	1,439

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2017**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
	PAD District 4									
OPEC .....	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	10,087	-	548	-	-	-	-	-	6	6
Canada .....	10,087	-	548	-	-	-	-	-	6	6
Other .....	0	-	0	-	-	-	-	-	0	0
Total .....	10,087	-	548	-	-	-	-	-	6	6
	PAD District 5									
OPEC .....	18,999	-	-	772	-	-	-	-	-	-
Algeria .....	-	-	-	377	-	-	-	-	-	-
Angola .....	542	-	-	-	-	-	-	-	-	-
Ecuador .....	5,922	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	2,152	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	395	-	-	-	-	-	-
Nigeria .....	2,028	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	8,355	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	13,081	-	1,327	3,092	-	169	169	-	427	427
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	1,389	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Canada .....	6,278	-	1,248	871	-	169	169	-	427	427
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	4,018	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	400	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	201	-	-	-	-	-	-
Singapore .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Other .....	996	-	79	2,020	-	0	0	-	0	0
Total .....	32,080	-	1,327	3,864	-	169	169	-	427	427
Persian Gulf <sup>3</sup> .....	10,507	-	-	-	-	-	-	-	-	-

See footnotes at end of table.



**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
<b>PAD District 4</b>											
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	-	-	6	-	-	10	-	-	-	10
Canada .....	-	-	-	6	-	-	10	-	-	-	10
Other .....	-	-	-	0	-	-	0	-	-	-	0
<b>Total</b> .....	-	-	-	6	-	-	10	-	-	-	10
<b>PAD District 5</b>											
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	-	-	50	273	-	145	-	9	-	154
Argentina .....	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	50	-	-	145	-	9	-	154
China .....	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	-	-	-	-	-	-	-	-
Singapore .....	-	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	0	273	-	0	-	0	-	0
<b>Total</b> .....	-	-	-	50	273	-	145	-	9	-	154
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
	PAD District 4								
OPEC .....	-	-	-	8	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
Non-OPEC .....	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	0	-	-	-	-	-
Total .....	-	-	-	8	-	-	-	-	-
	PAD District 5								
OPEC .....	-	-	-	1	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	1	-	-	-	-	-
Non-OPEC .....	-	-	-	2,748	-	-	-	1,386	1,386
Argentina .....	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	-	-	-	-	366	366
China .....	-	-	-	934	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	626	-	-	-	-	-
Korea, South .....	-	-	-	1,156	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	539	539
Netherlands .....	-	-	-	-	-	-	-	261	261
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	-	-	-	-	220	220
Singapore .....	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	32	-	-	-	0	0
Total .....	-	-	-	2,749	-	-	-	1,386	1,386
Persian Gulf <sup>3</sup> .....	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2017**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks									Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
	PAD District 4											
OPEC .....	—	—	—	—	—	—	—	8	8	—	0	0
Algeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC .....	—	—	—	—	58	—	1	629	10,716	325	20	346
Canada .....	—	—	—	—	58	—	1	629	10,716	325	20	346
Other .....	—	—	—	—	0	—	0	0	0	0	0	0
Total .....	—	—	—	—	58	—	1	637	10,724	325	21	346
	PAD District 5											
OPEC .....	—	—	—	—	—	—	—	773	19,772	613	25	638
Algeria .....	—	—	—	—	—	—	—	377	377	—	12	12
Angola .....	—	—	—	—	—	—	—	—	542	17	—	17
Ecuador .....	—	—	—	—	—	—	—	—	5,922	191	—	191
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	2,152	69	—	69
Libya .....	—	—	—	—	—	—	—	395	395	—	13	13
Nigeria .....	—	—	—	—	—	—	—	—	2,028	65	—	65
Qatar .....	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	8,355	270	—	270
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	1	1	—	0	0
Non-OPEC .....	37	—	7	23	61	22	—	9,776	22,857	422	315	737
Argentina .....	—	—	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	1,389	45	—	45
Brunei .....	—	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	23	61	5	—	3,374	9,652	203	109	311
China .....	—	—	5	—	—	—	—	939	939	—	30	30
Colombia .....	—	—	—	—	—	—	—	—	4,018	130	—	130
Finland .....	—	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—	—
Japan .....	—	—	1	—	—	1	—	628	628	—	20	20
Korea, South .....	—	—	—	—	—	16	—	1,172	1,172	—	38	38
Malaysia .....	—	—	1	—	—	—	—	1	1	—	0	0
Mexico .....	—	—	—	—	—	—	—	539	939	13	17	30
Netherlands .....	—	—	—	—	—	—	—	261	261	—	8	8
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—	—
Papua New Guinea .....	—	—	—	—	—	—	—	—	—	—	—	—
Peru .....	—	—	—	—	—	—	—	421	421	—	14	14
Singapore .....	—	—	—	—	—	—	—	273	273	—	9	9
Sweden .....	—	—	—	—	—	—	—	—	—	—	—	—
Taiwan .....	37	—	—	—	—	—	—	37	37	—	1	1
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	—	0	0	0	0	—	2,131	3,127	31	69	101
Total .....	37	—	7	23	61	22	—	10,549	42,629	1,035	340	1,375
Persian Gulf <sup>3</sup> .....	—	—	—	—	—	—	—	—	10,507	339	—	339

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 49. Exports of Crude Oil and Petroleum Products by PAD District, January 2017**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>1,722</b>	<b>6,188</b>	<b>14,747</b>	<b>44</b>	<b>425</b>	<b>23,126</b>	<b>746</b>
<b>Natural Gas Plant Liquids and Liquefied</b>							
<b>Refinery Gases</b> .....	<b>5,554</b>	<b>3,482</b>	<b>33,302</b>	<b>554</b>	<b>557</b>	<b>43,449</b>	<b>1,402</b>
Pentanes Plus .....	3,462	1,329	46	541	20	5,397	174
Liquefied Petroleum Gases .....	2,091	2,153	33,257	14	537	38,052	1,227
Ethane/Ethylene .....	1,199	1,900	1,086	—	0	4,186	135
Propane/Propylene .....	841	110	30,836	0	536	32,323	1,043
Normal Butane/Butylene .....	49	143	1,222	14	1	1,428	46
Isobutane/Isobutylene .....	1	0	113	—	—	115	4
<b>Other Liquids</b> .....	<b>1,869</b>	<b>1,968</b>	<b>11,360</b>	<b>19</b>	<b>1,044</b>	<b>16,261</b>	<b>525</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	14	599	4,022	0	350	4,986	161
Hydrogen .....	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol) .....	1	1	2,038	—	2	2,042	66
Methyl Tertiary Butyl Ether (MTBE) .....	0	—	1,418	—	—	1,418	46
Other Oxygenates .....	1	1	620	—	2	624	20
Renewable Fuels (including Fuel Ethanol) ...	13	599	1,984	0	349	2,944	95
Fuel Ethanol .....	11	588	1,959	—	344	2,901	94
Biomass-Based Diesel .....	2	11	25	0	5	43	1
Other Renewable Diesel .....	—	—	—	—	—	—	—
Other Renewable Fuels .....	—	—	—	—	—	—	—
Other Hydrocarbons .....	—	—	—	—	—	—	—
Unfinished Oils .....	1,849	1,368	4,484	19	166	7,888	254
Naphthas and Lighter .....	1,491	1,358	4,357	19	155	7,380	238
Kerosene and Light Gas Oils .....	359	11	127	0	11	507	16
Heavy Gas Oils .....	—	—	—	—	—	—	—
Residuum .....	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC) .....	6	0	2,853	—	527	3,387	109
Reformulated .....	0	—	11	—	0	11	0
Conventional .....	6	0	2,843	—	527	3,376	109
Aviation Gasoline Blend. Comp. ....	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b> .....	<b>2,675</b>	<b>1,582</b>	<b>77,233</b>	<b>30</b>	<b>12,070</b>	<b>93,591</b>	<b>3,019</b>
Finished Motor Gasoline .....	514	43	21,847	—	2,715	25,119	810
Reformulated .....	—	—	—	—	—	—	—
Conventional .....	514	43	21,847	—	2,715	25,119	810
Finished Aviation Gasoline .....	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel .....	29	740	3,751	—	886	5,406	174
Kerosene .....	2	0	50	—	4	56	2
Distillate Fuel Oil .....	481	325	30,685	—	3,948	35,439	1,143
15 ppm sulfur and under .....	480	0	26,345	—	2,532	29,357	947
Greater than 15 ppm to 500 ppm sulfur .....	0	237	3,781	—	133	4,152	134
Greater than 500 ppm sulfur .....	1	87	559	—	1,283	1,930	62
Residual Fuel Oil .....	705	179	5,577	17	479	6,956	224
Naphtha for Petro. Feed. Use .....	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use .....	—	—	—	—	—	—	—
Special Naphthas .....	—	—	—	—	—	—	—
Lubricants .....	151	141	3,452	11	99	3,854	124
Waxes .....	61	25	14	0	8	108	3
Petroleum Coke .....	614	44	11,431	0	3,913	16,001	516
Asphalt and Road Oil .....	104	85	306	2	19	517	17
Miscellaneous Products .....	15	0	119	—	0	135	4
<b>Total</b> .....	<b>11,820</b>	<b>13,220</b>	<b>136,642</b>	<b>648</b>	<b>14,097</b>	<b>176,427</b>	<b>5,691</b>

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 50. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District, January-January 2017**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>1,722</b>	<b>6,188</b>	<b>14,747</b>	<b>44</b>	<b>425</b>	<b>23,126</b>	<b>746</b>
<b>Natural Gas Plant Liquids and Liquefied</b>							
<b>Refinery Gases</b> .....	<b>5,554</b>	<b>3,482</b>	<b>33,302</b>	<b>554</b>	<b>557</b>	<b>43,449</b>	<b>1,402</b>
Pentanes Plus .....	3,462	1,329	46	541	20	5,397	174
Liquefied Petroleum Gases .....	2,091	2,153	33,257	14	537	38,052	1,227
Ethane/Ethylene .....	1,199	1,900	1,086	—	0	4,186	135
Propane/Propylene .....	841	110	30,836	0	536	32,323	1,043
Normal Butane/Butylene .....	49	143	1,222	14	1	1,428	46
Isobutane/Isobutylene .....	1	0	113	—	—	115	4
<b>Other Liquids</b> .....	<b>1,869</b>	<b>1,968</b>	<b>11,360</b>	<b>19</b>	<b>1,044</b>	<b>16,261</b>	<b>525</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	14	599	4,022	0	350	4,986	161
Hydrogen .....	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol) .....	1	1	2,038	—	2	2,042	66
Methyl Tertiary Butyl Ether (MTBE) .....	0	—	1,418	—	—	1,418	46
Other Oxygenates .....	1	1	620	—	2	624	20
Renewable Fuels (including Fuel Ethanol) ...	13	599	1,984	0	349	2,944	95
Fuel Ethanol .....	11	588	1,959	—	344	2,901	94
Biomass-Based Diesel .....	2	11	25	0	5	43	1
Other Renewable Diesel .....	—	—	—	—	—	—	—
Other Renewable Fuels .....	—	—	—	—	—	—	—
Other Hydrocarbons .....	—	—	—	—	—	—	—
Unfinished Oils .....	1,849	1,368	4,484	19	166	7,888	254
Naphthas and Lighter .....	1,491	1,358	4,357	19	155	7,380	238
Kerosene and Light Gas Oils .....	359	11	127	0	11	507	16
Heavy Gas Oils .....	—	—	—	—	—	—	—
Residuum .....	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC) .....	6	0	2,853	—	527	3,387	109
Reformulated .....	0	—	11	—	0	11	0
Conventional .....	6	0	2,843	—	527	3,376	109
Aviation Gasoline Blend. Comp. ....	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b> .....	<b>2,675</b>	<b>1,582</b>	<b>77,233</b>	<b>30</b>	<b>12,070</b>	<b>93,591</b>	<b>3,019</b>
Finished Motor Gasoline .....	514	43	21,847	—	2,715	25,119	810
Reformulated .....	—	—	—	—	—	—	—
Conventional .....	514	43	21,847	—	2,715	25,119	810
Finished Aviation Gasoline .....	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel .....	29	740	3,751	—	886	5,406	174
Kerosene .....	2	0	50	—	4	56	2
Distillate Fuel Oil .....	481	325	30,685	—	3,948	35,439	1,143
15 ppm sulfur and under .....	480	0	26,345	—	2,532	29,357	947
Greater than 15 ppm to 500 ppm sulfur .....	0	237	3,781	—	133	4,152	134
Greater than 500 ppm sulfur .....	1	87	559	—	1,283	1,930	62
Residual Fuel Oil .....	705	179	5,577	17	479	6,956	224
Naphtha for Petro. Feed. Use .....	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use .....	—	—	—	—	—	—	—
Special Naphthas .....	—	—	—	—	—	—	—
Lubricants .....	151	141	3,452	11	99	3,854	124
Waxes .....	61	25	14	0	8	108	3
Petroleum Coke .....	614	44	11,431	0	3,913	16,001	516
Asphalt and Road Oil .....	104	85	306	2	19	517	17
Miscellaneous Products .....	15	0	119	—	0	135	4
<b>Total</b> .....	<b>11,820</b>	<b>13,220</b>	<b>136,642</b>	<b>648</b>	<b>14,097</b>	<b>176,427</b>	<b>5,691</b>

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, January 2017**  
(Thousand Barrels)

Destination	Crude Oil <sup>1</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina .....	—	1	—	145	—	270	270	—	—	—
Australia .....	223	0	2	0	—	—	—	—	—	—
Bahamas .....	—	0	3	90	—	137	137	—	0	0
Bahrain .....	—	—	—	—	—	1	1	—	—	—
Belgium .....	—	1	—	369	—	422	422	—	—	—
Belize .....	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	0	524	391	—	723	723	—	—	—
Canada .....	8,538	5,323	2,288	2,428	—	365	365	—	228	228
Cayman Islands .....	—	—	—	—	—	28	28	—	—	—
Chile .....	—	0	0	116	—	157	157	—	—	—
China .....	2,003	1	4,512	1,061	—	—	—	—	—	—
Colombia .....	1,458	0	0	1,285	—	1,387	1,387	—	—	—
Costa Rica .....	—	—	126	—	—	469	469	—	181	181
Denmark .....	—	—	—	—	—	—	—	—	—	—
Dominican Republic .....	—	—	1,361	0	—	266	266	—	110	110
Ecuador .....	—	1	695	4	—	1,035	1,035	—	2	2
Egypt .....	—	—	537	0	—	—	—	—	—	—
El Salvador .....	—	0	222	—	—	389	389	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—
France .....	525	22	824	19	—	—	—	9	—	9
Germany .....	—	—	—	3	—	—	—	—	—	—
Ghana .....	—	—	—	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	—	—	—	—	—
Greece .....	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	1	410	—	—	1,695	1,695	—	33	33
Honduras .....	—	—	263	—	—	407	407	—	59	59
Hong Kong .....	223	—	—	0	—	—	—	—	—	—
India .....	—	0	824	—	—	—	—	—	0	0
Indonesia .....	—	—	—	0	—	—	—	—	—	—
Ireland .....	—	—	—	—	—	—	—	—	—	—
Israel .....	—	—	—	—	—	—	—	—	—	—
Italy .....	1,308	—	—	13	—	—	—	—	—	—
Jamaica .....	—	0	45	—	—	82	82	—	0	0
Japan .....	1,919	0	7,129	5	—	148	148	—	—	—
Korea, South .....	—	—	2,818	13	—	—	—	0	0	0
Lebanon .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	19	4,236	72	—	14,072	14,072	2	2,211	2,213
Montenegro .....	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	—	357	2	—	—	—	—	—	—
Mozambique .....	—	—	—	—	—	—	—	—	—	—
Netherlands .....	1,729	26	2,151	350	—	0	0	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
New Zealand .....	—	—	0	0	—	—	—	—	—	—
Nicaragua .....	—	—	0	—	—	80	80	—	—	—
Nigeria .....	—	—	—	0	—	315	315	—	—	—
Norway .....	—	—	1,209	—	—	—	—	0	—	0
Pakistan .....	—	—	—	—	—	—	—	—	—	—
Panama .....	425	0	65	—	—	939	939	—	0	0
Peru .....	959	—	—	3	—	934	934	—	—	—
Philippines .....	—	—	—	0	—	—	—	—	—	—
Portugal .....	—	—	584	—	—	—	—	—	—	—
Puerto Rico .....	—	0	—	0	—	1	1	—	0	0
Romania .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	0	—	3	—	—	—	—	—	—
Serbia .....	—	—	—	—	—	—	—	—	—	—
Singapore .....	1,712	0	3,470	21	—	—	—	—	—	—
South Africa .....	—	—	—	—	—	—	—	—	—	—
Spain .....	1,222	—	578	—	—	—	—	—	—	—
Switzerland .....	—	—	—	—	—	—	—	—	0	0
Taiwan .....	—	—	—	436	—	—	—	—	—	—
Thailand .....	—	0	—	0	—	—	—	—	—	—
Trinidad and Tobago .....	—	0	1	6	—	0	0	—	—	—
Turkey .....	—	—	578	—	—	—	—	—	—	—
United Arab Emirates .....	—	0	—	0	—	—	—	—	—	—
United Kingdom .....	882	—	1,392	0	—	0	0	—	—	—
Venezuela .....	—	—	—	971	—	308	308	—	548	548
Other .....	—	2	848	82	—	489	489	—	4	4
<b>Total .....</b>	<b>23,126</b>	<b>5,397</b>	<b>38,052</b>	<b>7,888</b>	<b>—</b>	<b>25,119</b>	<b>25,119</b>	<b>11</b>	<b>3,376</b>	<b>3,387</b>

See footnotes at end of table.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, January 2017**  
(Thousand Barrels) — Continued

Destination	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
Argentina .....	—	—	—	—	—	—	791	—	—	—	791
Australia .....	—	—	—	—	—	—	0	—	—	—	0
Bahamas .....	—	0	—	—	—	—	145	—	60	—	205
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	15	0	0	0	—	—	—	0	—	—	0
Belize .....	—	—	—	—	—	—	0	—	—	—	0
Brazil .....	—	0	1,403	—	—	—	4,715	—	—	—	4,715
Canada .....	—	0	629	16	—	—	0	486	172	—	658
Cayman Islands .....	—	—	0	—	—	—	62	—	—	—	62
Chile .....	205	—	0	—	—	—	2,247	—	—	—	2,247
China .....	0	0	0	—	—	—	2	—	—	—	2
Colombia .....	—	—	47	—	—	—	1,472	—	—	—	1,472
Costa Rica .....	—	0	0	—	—	—	784	—	0	—	785
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Dominican Republic .....	—	—	0	—	—	—	192	60	—	—	252
Ecuador .....	—	—	—	—	—	—	521	—	—	—	521
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
El Salvador .....	—	—	—	—	—	—	77	246	—	—	323
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	0	—	—	—	—	1,205	329	—	—	1,534
Germany .....	—	0	0	—	—	—	0	—	—	—	0
Ghana .....	—	0	—	—	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	—	—	612	219	—	831
Greece .....	—	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	0	—	—	—	682	526	—	—	1,208
Honduras .....	—	—	—	—	—	—	200	222	—	—	422
Hong Kong .....	—	0	0	—	—	—	—	—	—	—	—
India .....	—	0	265	—	—	—	1	—	—	—	1
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Ireland .....	—	0	—	—	—	—	—	—	—	—	—
Israel .....	—	0	—	—	—	—	0	—	—	—	0
Italy .....	—	0	0	1	—	—	0	20	—	—	21
Jamaica .....	—	—	0	—	—	—	368	—	—	—	368
Japan .....	—	620	0	—	—	—	0	—	—	—	0
Korea, South .....	—	0	14	—	—	—	0	—	—	—	0
Lebanon .....	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	1,197	1	84	1	—	—	7,742	82	19	—	7,843
Montenegro .....	—	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	—	—	—	308	—	—	—	308
Mozambique .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	0	0	—	—	—	930	60	—	—	990
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
New Zealand .....	—	—	0	—	—	—	—	—	—	—	—
Nicaragua .....	—	—	—	1	—	—	53	80	—	—	133
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	5	—	—	—	5
Pakistan .....	—	—	—	—	—	—	—	—	—	—	—
Panama .....	—	—	—	—	—	—	1,714	487	0	—	2,201
Peru .....	—	0	28	24	—	—	2,460	—	—	—	2,460
Philippines .....	—	0	139	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Puerto Rico .....	—	0	1	—	—	—	0	—	0	—	0
Romania .....	—	—	—	—	—	—	311	—	—	—	311
Saudi Arabia .....	0	—	0	—	—	—	—	—	—	—	—
Serbia .....	—	—	—	—	—	—	—	—	—	—	—
Singapore .....	—	1	31	—	—	—	40	—	608	—	648
South Africa .....	—	—	—	0	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	316	—	—	—	316
Switzerland .....	—	—	—	—	—	—	—	95	—	—	95
Taiwan .....	—	0	0	—	—	—	—	—	—	—	—
Thailand .....	—	0	—	—	—	—	—	—	0	—	0
Trinidad and Tobago .....	—	0	0	—	—	—	—	—	—	—	—
Turkey .....	—	—	—	—	—	—	0	—	—	—	0
United Arab Emirates .....	—	0	257	—	—	—	0	—	—	—	0
United Kingdom .....	—	0	—	—	—	—	300	0	—	—	300
Venezuela .....	—	—	—	—	—	—	601	—	—	—	601
Other .....	1	2	3	—	—	—	1,113	847	852	—	2,810
<b>Total .....</b>	<b>1,418</b>	<b>624</b>	<b>2,901</b>	<b>43</b>	<b>—</b>	<b>—</b>	<b>29,357</b>	<b>4,152</b>	<b>1,930</b>	<b>—</b>	<b>35,439</b>

See footnotes at end of table.



**Table 51. Exports of Crude Oil and Petroleum Products by Destination, January 2017**  
(Thousand Barrels) — Continued

Destination	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
Argentina .....	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	34	—	0	—	—
Bahrain .....	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—
Belize .....	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—
Canada .....	4	—	—	1,477	—	854	—	—
Cayman Islands .....	—	—	—	15	—	—	—	—
Chile .....	0	—	—	301	—	0	—	—
China .....	0	—	—	3	—	0	—	—
Colombia .....	—	—	—	100	—	301	—	—
Costa Rica .....	0	—	—	205	—	—	—	—
Denmark .....	—	—	—	295	—	—	—	—
Dominican Republic .....	0	—	—	160	—	—	—	—
Ecuador .....	—	—	—	8	—	422	—	—
Egypt .....	—	—	—	—	—	173	—	—
El Salvador .....	—	—	—	27	—	—	—	—
Finland .....	47	—	—	307	—	—	—	—
France .....	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—
Ghana .....	—	—	—	1	—	—	—	—
Gibraltar .....	—	—	—	—	—	45	—	—
Greece .....	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	342	—	30	—	—
Honduras .....	—	—	—	63	—	270	—	—
Hong Kong .....	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—
Ireland .....	—	—	—	—	—	—	—	—
Israel .....	—	—	—	102	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—
Jamaica .....	0	—	—	160	—	392	—	—
Japan .....	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	0	—	—
Lebanon .....	—	—	—	—	—	405	—	—
Mexico .....	2	—	—	1,245	—	268	—	—
Montenegro .....	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	—	—	71	—	—
Mozambique .....	—	—	—	—	—	—	—	—
Netherlands .....	1	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—
New Zealand .....	—	—	—	—	—	—	—	—
Nicaragua .....	0	—	—	—	—	0	—	—
Nigeria .....	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—
Pakistan .....	—	—	—	—	—	0	—	—
Panama .....	0	—	—	217	—	—	—	—
Peru .....	—	—	—	103	—	192	—	—
Philippines .....	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—
Puerto Rico .....	0	—	—	—	—	—	—	—
Romania .....	—	—	—	—	—	—	—	—
Saudi Arabia .....	0	—	—	—	—	—	—	—
Serbia .....	—	—	—	—	—	—	—	—
Singapore .....	—	—	—	—	—	2,510	—	—
South Africa .....	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—
Switzerland .....	—	—	—	—	—	—	—	—
Taiwan .....	—	—	—	—	—	—	—	—
Thailand .....	—	—	—	—	—	0	—	—
Trinidad and Tobago .....	—	—	—	1	—	—	—	—
Turkey .....	—	—	—	—	—	—	—	—
United Arab Emirates .....	0	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—
Other .....	2	—	—	240	—	1,023	—	—
<b>Total .....</b>	<b>56</b>	<b>—</b>	<b>—</b>	<b>5,406</b>	<b>—</b>	<b>6,956</b>	<b>—</b>	<b>—</b>

See footnotes at end of table.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, January 2017**  
(Thousand Barrels) — Continued

Destination	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
Argentina .....	0	0	0	59	—	1,266	1,266	—	41	41
Australia .....	1	309	0	5	0	316	539	7	10	17
Bahamas .....	—	—	1	380	—	852	852	—	27	27
Bahrain .....	0	—	—	2	—	3	3	—	0	0
Belgium .....	0	0	0	270	0	1,077	1,077	—	35	35
Belize .....	—	—	—	1	—	1	1	—	0	0
Brazil .....	0	945	0	198	0	8,901	8,901	—	287	287
Canada .....	78	507	160	214	4	15,234	23,772	275	491	767
Cayman Islands .....	—	—	—	1	—	107	107	—	3	3
Chile .....	0	—	0	79	0	3,107	3,107	—	100	100
China .....	5	1,853	2	301	2	7,742	9,746	65	250	314
Colombia .....	1	0	—	120	0	4,712	6,169	47	152	199
Costa Rica .....	0	146	24	10	—	1,947	1,947	—	63	63
Denmark .....	—	—	0	1	—	296	296	—	10	10
Dominican Republic .....	0	—	—	19	—	2,168	2,168	—	70	70
Ecuador .....	0	182	0	62	0	2,931	2,931	—	95	95
Egypt .....	0	831	0	1	—	1,541	1,541	—	50	50
El Salvador .....	0	—	—	33	—	995	995	—	32	32
Finland .....	0	—	—	1	—	355	355	—	11	11
France .....	0	17	—	100	—	2,527	3,052	17	82	98
Germany .....	1	—	0	102	0	107	107	—	3	3
Ghana .....	—	—	—	0	—	1	1	—	0	0
Gibraltar .....	—	—	—	138	—	1,014	1,014	—	33	33
Greece .....	—	1,457	—	0	—	1,457	1,457	—	47	47
Guatemala .....	0	—	0	14	—	3,733	3,733	—	120	120
Honduras .....	0	—	31	11	—	1,526	1,526	—	49	49
Hong Kong .....	0	0	—	2	0	3	226	7	0	7
India .....	0	2,440	1	40	0	3,572	3,572	—	115	115
Indonesia .....	—	0	2	1	—	3	3	—	0	0
Ireland .....	—	—	—	0	—	0	0	—	0	0
Israel .....	0	—	—	234	—	336	336	—	11	11
Italy .....	—	597	0	0	0	632	1,940	42	20	63
Jamaica .....	—	0	—	13	0	1,061	1,061	—	34	34
Japan .....	1	1,555	0	6	3	9,468	11,387	62	305	367
Korea, South .....	0	659	0	3	1	3,509	3,509	—	113	113
Lebanon .....	—	116	—	1	—	521	521	—	17	17
Mexico .....	14	1,392	193	494	5	33,352	33,352	—	1,076	1,076
Montenegro .....	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	531	—	0	—	1,269	1,269	—	41	41
Mozambique .....	—	51	—	—	—	51	51	—	2	2
Netherlands .....	2	0	0	71	2	3,594	5,323	56	116	172
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
New Zealand .....	—	99	0	1	0	101	101	—	3	3
Nicaragua .....	—	—	—	3	—	217	217	—	7	7
Nigeria .....	—	—	—	60	—	375	375	—	12	12
Norway .....	—	103	0	1	—	1,318	1,318	—	43	43
Pakistan .....	—	—	0	0	—	1	1	—	0	0
Panama .....	—	—	38	9	114	3,582	4,007	14	116	129
Peru .....	0	—	0	88	0	3,833	4,792	31	124	155
Philippines .....	0	—	—	1	—	140	140	—	5	5
Portugal .....	—	—	—	0	—	584	584	—	19	19
Puerto Rico .....	0	—	—	11	0	14	14	—	0	0
Romania .....	—	—	—	0	—	311	311	—	10	10
Saudi Arabia .....	0	13	—	39	—	55	55	—	2	2
Serbia .....	—	—	—	—	—	—	—	—	—	—
Singapore .....	0	—	—	39	0	6,720	8,432	55	217	272
South Africa .....	0	—	—	1	—	1	1	—	0	0
Spain .....	1	805	30	2	—	1,732	2,954	39	56	95
Switzerland .....	—	—	—	0	—	95	95	—	3	3
Taiwan .....	0	—	0	5	0	441	441	—	14	14
Thailand .....	0	—	1	3	0	5	5	—	0	0
Trinidad and Tobago .....	—	—	0	12	0	19	19	—	1	1
Turkey .....	—	860	—	2	—	1,440	1,440	—	46	46
United Arab Emirates .....	0	0	1	43	—	302	302	—	10	10
United Kingdom .....	0	175	0	9	0	1,877	2,759	28	61	89
Venezuela .....	—	—	—	483	—	2,911	2,911	—	94	94
Other .....	4	358	33	55	4	5,940	5,940	1	191	193
<b>Total .....</b>	<b>108</b>	<b>16,001</b>	<b>517</b>	<b>3,854</b>	<b>135</b>	<b>153,301</b>	<b>176,427</b>	<b>746</b>	<b>4,945</b>	<b>5,691</b>

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-January 2017**  
(Thousand Barrels)

Destination	Crude Oil <sup>1</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina .....	—	1	—	145	—	270	270	—	—	—
Australia .....	223	0	2	0	—	—	—	—	—	—
Bahamas .....	—	0	3	90	—	137	137	—	0	0
Bahrain .....	—	—	—	—	—	1	1	—	—	—
Belgium .....	—	1	—	369	—	422	422	—	—	—
Belize .....	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	0	524	391	—	723	723	—	—	—
Canada .....	8,538	5,323	2,288	2,428	—	365	365	—	228	228
Cayman Islands .....	—	—	—	—	—	28	28	—	—	—
Chile .....	—	0	0	116	—	157	157	—	—	—
China .....	2,003	1	4,512	1,061	—	—	—	—	—	—
Colombia .....	1,458	0	0	1,285	—	1,387	1,387	—	—	—
Costa Rica .....	—	—	126	—	—	469	469	—	181	181
Denmark .....	—	—	—	—	—	—	—	—	—	—
Dominican Republic .....	—	—	1,361	0	—	266	266	—	110	110
Ecuador .....	—	1	695	4	—	1,035	1,035	—	2	2
Egypt .....	—	—	537	0	—	—	—	—	—	—
El Salvador .....	—	0	222	—	—	389	389	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—
France .....	525	22	824	19	—	—	—	9	—	9
Germany .....	—	—	—	3	—	—	—	—	—	—
Ghana .....	—	—	—	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	—	—	—	—	—
Greece .....	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	1	410	—	—	1,695	1,695	—	33	33
Honduras .....	—	—	263	—	—	407	407	—	59	59
Hong Kong .....	223	—	—	0	—	—	—	—	—	—
India .....	—	0	824	—	—	—	—	—	0	0
Indonesia .....	—	—	—	0	—	—	—	—	—	—
Ireland .....	—	—	—	—	—	—	—	—	—	—
Israel .....	—	—	—	—	—	—	—	—	—	—
Italy .....	1,308	—	—	13	—	—	—	—	—	—
Jamaica .....	—	0	45	—	—	82	82	—	0	0
Japan .....	1,919	0	7,129	5	—	148	148	—	—	—
Korea, South .....	—	—	2,818	13	—	—	—	0	0	0
Lebanon .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	19	4,236	72	—	14,072	14,072	2	2,211	2,213
Montenegro .....	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	—	357	2	—	—	—	—	—	—
Mozambique .....	—	—	—	—	—	—	—	—	—	—
Netherlands .....	1,729	26	2,151	350	—	0	0	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
New Zealand .....	—	—	0	0	—	—	—	—	—	—
Nicaragua .....	—	—	0	—	—	80	80	—	—	—
Nigeria .....	—	—	—	0	—	315	315	—	—	—
Norway .....	—	—	1,209	—	—	—	—	0	—	0
Pakistan .....	—	—	—	—	—	—	—	—	—	—
Panama .....	425	0	65	—	—	939	939	—	0	0
Peru .....	959	—	—	3	—	934	934	—	—	—
Philippines .....	—	—	—	0	—	—	—	—	—	—
Portugal .....	—	—	584	—	—	—	—	—	—	—
Puerto Rico .....	—	0	—	0	—	1	1	—	0	0
Romania .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	0	—	3	—	—	—	—	—	—
Serbia .....	—	—	—	—	—	—	—	—	—	—
Singapore .....	1,712	0	3,470	21	—	—	—	—	—	—
South Africa .....	—	—	—	—	—	—	—	—	—	—
Spain .....	1,222	—	578	—	—	—	—	—	—	—
Switzerland .....	—	—	—	—	—	—	—	—	0	0
Taiwan .....	—	—	—	436	—	—	—	—	—	—
Thailand .....	—	0	—	0	—	—	—	—	—	—
Trinidad and Tobago .....	—	0	1	6	—	0	0	—	—	—
Turkey .....	—	—	578	—	—	—	—	—	—	—
United Arab Emirates .....	—	0	—	0	—	—	—	—	—	—
United Kingdom .....	882	—	1,392	0	—	0	0	—	—	—
Venezuela .....	—	—	—	971	—	308	308	—	548	548
Other .....	—	2	848	82	—	489	489	—	4	4
<b>Total .....</b>	<b>23,126</b>	<b>5,397</b>	<b>38,052</b>	<b>7,888</b>	<b>—</b>	<b>25,119</b>	<b>25,119</b>	<b>11</b>	<b>3,376</b>	<b>3,387</b>

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-January 2017**  
(Thousand Barrels) — Continued

Destination	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
Argentina .....	—	—	—	—	—	—	791	—	—	—	791
Australia .....	—	—	—	—	—	—	0	—	—	—	0
Bahamas .....	—	0	—	—	—	—	145	—	60	—	205
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	15	0	0	0	—	—	—	0	—	—	0
Belize .....	—	—	—	—	—	—	0	—	—	—	0
Brazil .....	—	0	1,403	—	—	—	4,715	—	—	—	4,715
Canada .....	—	0	629	16	—	—	0	486	172	—	658
Cayman Islands .....	—	—	0	—	—	—	62	—	—	—	62
Chile .....	205	—	0	—	—	—	2,247	—	—	—	2,247
China .....	0	0	0	—	—	—	2	—	—	—	2
Colombia .....	—	—	47	—	—	—	1,472	—	—	—	1,472
Costa Rica .....	—	0	0	—	—	—	784	—	0	—	785
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Dominican Republic .....	—	—	0	—	—	—	192	60	—	—	252
Ecuador .....	—	—	—	—	—	—	521	—	—	—	521
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
El Salvador .....	—	—	—	—	—	—	77	246	—	—	323
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	0	—	—	—	—	1,205	329	—	—	1,534
Germany .....	—	0	0	—	—	—	0	—	—	—	0
Ghana .....	—	—	0	—	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	—	—	612	219	—	831
Greece .....	—	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	0	—	—	—	682	526	—	—	1,208
Honduras .....	—	—	—	—	—	—	200	222	—	—	422
Hong Kong .....	—	0	0	—	—	—	—	—	—	—	—
India .....	—	0	265	—	—	—	1	—	—	—	1
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Ireland .....	—	0	—	—	—	—	—	—	—	—	—
Israel .....	—	0	—	—	—	—	0	—	—	—	0
Italy .....	—	0	0	1	—	—	0	20	—	—	21
Jamaica .....	—	—	0	—	—	—	368	—	—	—	368
Japan .....	—	620	0	—	—	—	0	—	—	—	0
Korea, South .....	—	0	14	—	—	—	0	—	—	—	0
Lebanon .....	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	1,197	1	84	1	—	—	7,742	82	19	—	7,843
Montenegro .....	—	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	—	—	—	308	—	—	—	308
Mozambique .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	0	0	—	—	—	930	60	—	—	990
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
New Zealand .....	—	—	0	—	—	—	—	—	—	—	—
Nicaragua .....	—	—	—	1	—	—	53	80	—	—	133
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	5	—	—	—	5
Pakistan .....	—	—	—	—	—	—	—	—	—	—	—
Panama .....	—	—	—	—	—	—	1,714	487	0	—	2,201
Peru .....	—	0	28	24	—	—	2,460	—	—	—	2,460
Philippines .....	—	0	139	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Puerto Rico .....	—	0	1	—	—	—	0	—	0	—	0
Romania .....	—	—	—	—	—	—	311	—	—	—	311
Saudi Arabia .....	0	—	0	—	—	—	—	—	—	—	—
Serbia .....	—	—	—	—	—	—	—	—	—	—	—
Singapore .....	—	1	31	—	—	—	40	—	608	—	648
South Africa .....	—	—	—	0	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	316	—	—	—	316
Switzerland .....	—	—	—	—	—	—	—	95	—	—	95
Taiwan .....	—	0	0	—	—	—	—	—	—	—	—
Thailand .....	—	0	—	—	—	—	—	—	0	—	0
Trinidad and Tobago .....	—	0	0	—	—	—	—	—	—	—	—
Turkey .....	—	—	—	—	—	—	0	—	—	—	0
United Arab Emirates .....	—	0	257	—	—	—	0	—	—	—	0
United Kingdom .....	—	0	—	—	—	—	300	0	—	—	300
Venezuela .....	—	—	—	—	—	—	601	—	—	—	601
Other .....	1	2	3	—	—	—	1,113	847	852	—	2,810
<b>Total .....</b>	<b>1,418</b>	<b>624</b>	<b>2,901</b>	<b>43</b>	<b>—</b>	<b>—</b>	<b>29,357</b>	<b>4,152</b>	<b>1,930</b>	<b>—</b>	<b>35,439</b>

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-January 2017**  
(Thousand Barrels) — Continued

Destination	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
Argentina .....	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	34	—	0	—	—
Bahrain .....	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—
Belize .....	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—
Canada .....	4	—	—	1,477	—	854	—	—
Cayman Islands .....	—	—	—	15	—	—	—	—
Chile .....	0	—	—	301	—	0	—	—
China .....	0	—	—	3	—	0	—	—
Colombia .....	—	—	—	100	—	301	—	—
Costa Rica .....	0	—	—	205	—	—	—	—
Denmark .....	—	—	—	295	—	—	—	—
Dominican Republic .....	0	—	—	160	—	—	—	—
Ecuador .....	—	—	—	8	—	422	—	—
Egypt .....	—	—	—	—	—	173	—	—
El Salvador .....	—	—	—	27	—	—	—	—
Finland .....	47	—	—	307	—	—	—	—
France .....	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—
Ghana .....	—	—	—	1	—	—	—	—
Gibraltar .....	—	—	—	—	—	45	—	—
Greece .....	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	342	—	30	—	—
Honduras .....	—	—	—	63	—	270	—	—
Hong Kong .....	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—
Ireland .....	—	—	—	—	—	—	—	—
Israel .....	—	—	—	102	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—
Jamaica .....	0	—	—	160	—	392	—	—
Japan .....	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	0	—	—
Lebanon .....	—	—	—	—	—	405	—	—
Mexico .....	2	—	—	1,245	—	268	—	—
Montenegro .....	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	—	—	71	—	—
Mozambique .....	—	—	—	—	—	—	—	—
Netherlands .....	1	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—
New Zealand .....	—	—	—	—	—	—	—	—
Nicaragua .....	0	—	—	—	—	0	—	—
Nigeria .....	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—
Pakistan .....	—	—	—	—	—	0	—	—
Panama .....	0	—	—	217	—	—	—	—
Peru .....	—	—	—	103	—	192	—	—
Philippines .....	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—
Puerto Rico .....	0	—	—	—	—	—	—	—
Romania .....	—	—	—	—	—	—	—	—
Saudi Arabia .....	0	—	—	—	—	—	—	—
Serbia .....	—	—	—	—	—	—	—	—
Singapore .....	—	—	—	—	—	2,510	—	—
South Africa .....	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—
Switzerland .....	—	—	—	—	—	—	—	—
Taiwan .....	—	—	—	—	—	—	—	—
Thailand .....	—	—	—	—	—	0	—	—
Trinidad and Tobago .....	—	—	—	1	—	—	—	—
Turkey .....	—	—	—	—	—	—	—	—
United Arab Emirates .....	0	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—
Other .....	2	—	—	240	—	1,023	—	—
<b>Total .....</b>	<b>56</b>	<b>—</b>	<b>—</b>	<b>5,406</b>	<b>—</b>	<b>6,956</b>	<b>—</b>	<b>—</b>

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-January 2017**  
(Thousand Barrels) — Continued

Destination	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
Argentina .....	0	0	0	59	—	1,266	1,266	—	41	41
Australia .....	1	309	0	5	0	316	539	7	10	17
Bahamas .....	—	—	1	380	—	852	852	—	27	27
Bahrain .....	0	—	—	2	—	3	3	—	0	0
Belgium .....	0	0	0	270	0	1,077	1,077	—	35	35
Belize .....	—	—	—	1	—	1	1	—	0	0
Brazil .....	0	945	0	198	0	8,901	8,901	—	287	287
Canada .....	78	507	160	214	4	15,234	23,772	275	491	767
Cayman Islands .....	—	—	—	1	—	107	107	—	3	3
Chile .....	0	—	0	79	0	3,107	3,107	—	100	100
China .....	5	1,853	2	301	2	7,742	9,746	65	250	314
Colombia .....	1	0	—	120	0	4,712	6,169	47	152	199
Costa Rica .....	0	146	24	10	—	1,947	1,947	—	63	63
Denmark .....	—	—	0	1	—	296	296	—	10	10
Dominican Republic .....	0	—	—	19	—	2,168	2,168	—	70	70
Ecuador .....	0	182	0	62	0	2,931	2,931	—	95	95
Egypt .....	0	831	0	1	—	1,541	1,541	—	50	50
El Salvador .....	0	—	—	33	—	995	995	—	32	32
Finland .....	0	—	—	1	—	355	355	—	11	11
France .....	0	17	—	100	—	2,527	3,052	17	82	98
Germany .....	1	—	0	102	0	107	107	—	3	3
Ghana .....	—	—	—	0	—	1	1	—	0	0
Gibraltar .....	—	—	—	138	—	1,014	1,014	—	33	33
Greece .....	—	1,457	—	0	—	1,457	1,457	—	47	47
Guatemala .....	0	—	0	14	—	3,733	3,733	—	120	120
Honduras .....	0	—	31	11	—	1,526	1,526	—	49	49
Hong Kong .....	0	0	—	2	0	3	226	7	0	7
India .....	0	2,440	1	40	0	3,572	3,572	—	115	115
Indonesia .....	—	0	2	1	—	3	3	—	0	0
Ireland .....	—	—	—	0	—	0	0	—	0	0
Israel .....	0	—	—	234	—	336	336	—	11	11
Italy .....	—	597	0	0	0	632	1,940	42	20	63
Jamaica .....	—	0	—	13	0	1,061	1,061	—	34	34
Japan .....	1	1,555	0	6	3	9,468	11,387	62	305	367
Korea, South .....	0	659	0	3	1	3,509	3,509	—	113	113
Lebanon .....	—	116	—	1	—	521	521	—	17	17
Mexico .....	14	1,392	193	494	5	33,352	33,352	—	1,076	1,076
Montenegro .....	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	531	—	0	—	1,269	1,269	—	41	41
Mozambique .....	—	51	—	—	—	51	51	—	2	2
Netherlands .....	2	0	0	71	2	3,594	5,323	56	116	172
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
New Zealand .....	—	99	0	1	0	101	101	—	3	3
Nicaragua .....	—	—	—	3	—	217	217	—	7	7
Nigeria .....	—	—	—	60	—	375	375	—	12	12
Norway .....	—	103	0	1	—	1,318	1,318	—	43	43
Pakistan .....	—	—	0	0	—	1	1	—	0	0
Panama .....	—	—	38	9	114	3,582	4,007	14	116	129
Peru .....	0	—	0	88	0	3,833	4,792	31	124	155
Philippines .....	0	—	—	1	—	140	140	—	5	5
Portugal .....	—	—	—	0	—	584	584	—	19	19
Puerto Rico .....	0	—	—	11	0	14	14	—	0	0
Romania .....	—	—	—	0	—	311	311	—	10	10
Saudi Arabia .....	0	13	—	39	—	55	55	—	2	2
Serbia .....	—	—	—	—	—	—	—	—	—	—
Singapore .....	0	—	—	39	0	6,720	8,432	55	217	272
South Africa .....	0	—	—	1	—	1	1	—	0	0
Spain .....	1	805	30	2	—	1,732	2,954	39	56	95
Switzerland .....	—	—	—	0	—	95	95	—	3	3
Taiwan .....	0	—	0	5	0	441	441	—	14	14
Thailand .....	0	—	1	3	0	5	5	—	0	0
Trinidad and Tobago .....	—	—	0	12	0	19	19	—	1	1
Turkey .....	—	860	—	2	—	1,440	1,440	—	46	46
United Arab Emirates .....	0	0	1	43	—	302	302	—	10	10
United Kingdom .....	0	175	0	9	0	1,877	2,759	28	61	89
Venezuela .....	—	—	—	483	—	2,911	2,911	—	94	94
Other .....	4	358	33	55	4	5,940	5,940	1	191	193
<b>Total .....</b>	<b>108</b>	<b>16,001</b>	<b>517</b>	<b>3,854</b>	<b>135</b>	<b>153,301</b>	<b>176,427</b>	<b>746</b>	<b>4,945</b>	<b>5,691</b>

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, January 2017**  
(Thousand Barrels per Day)

Country of Origin	Crude Oil <sup>1</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>3,579</b>	<b>0</b>	<b>-22</b>	<b>108</b>	<b>-</b>	<b>-53</b>	<b>-53</b>	<b>-</b>	<b>16</b>	<b>16</b>
Algeria .....	118	-	-	115	-	-	-	-	-	-
Angola .....	104	-	-	12	-	-	-	-	2	2
Ecuador .....	247	0	-22	0	-	-33	-33	-	0	0
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	622	-	-	-	-	-	-	-	-	-
Kuwait .....	105	-	-	-	-	-	-	-	-	-
Libya .....	19	-	-	13	-	-	-	-	-	-
Nigeria .....	315	-	-	0	-	-10	-10	-	17	17
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	1,344	0	-	0	-	-	-	-	-	-
United Arab Emirates .....	-	0	-	0	-	-	-	-	-	-
Venezuela .....	704	-	-	-31	-	-10	-10	-	-2	-2
<b>Non-OPEC</b> .....	<b>4,110</b>	<b>-154</b>	<b>-942</b>	<b>299</b>	<b>-</b>	<b>-723</b>	<b>-723</b>	<b>209</b>	<b>278</b>	<b>487</b>
Argentina .....	-	0	-	-5	-	-9	-9	-	5	5
Aruba .....	-	-	-19	-2	-	-2	-2	-	-	-
Australia .....	-7	0	0	0	-	-	-	-	-	-
Bahamas .....	-	0	0	-3	-	-4	-4	-	0	0
Bahrain .....	-	-	-	-	-	0	0	-	-	-
Belgium .....	-	0	-	25	-	-14	-14	-	34	34
Brazil .....	195	0	-17	-5	-	-23	-23	-	0	0
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	1	-	-	-	-	-	-
Canada .....	3,250	-172	179	-43	-	8	8	106	70	176
Chad .....	31	-	-	-	-	-	-	-	-	-
China .....	-65	0	-146	-34	-	-	-	-	-	-
Colombia .....	266	0	0	-41	-	-45	-45	-	19	19
Denmark .....	-	-	-	1	-	-	-	-	1	1
Dominican Republic .....	-	-	-44	0	-	-9	-9	-	-4	-4
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	0	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	1	1
France .....	-17	-1	-27	8	-	-	-	18	3	22
Germany .....	-	-	-	3	-	-	-	-	-	-
Guatemala .....	9	0	-13	-	-	-55	-55	-	-1	-1
Honduras .....	-	-	-8	-	-	-13	-13	-	-2	-2
India .....	-	0	-27	4	-	-	-	-	36	36
Indonesia .....	-	-	-	0	-	-	-	-	-	-
Italy .....	-42	-	-	0	-	-	-	-	8	8
Japan .....	-62	0	-230	0	-	-5	-5	-	-	-
Korea, South .....	-	-	-91	0	-	-	-	0	0	0
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	635	9	-137	-2	-	-454	-454	0	-62	-62
Netherlands .....	-56	-1	-69	12	-	0	0	12	19	31
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Norway .....	66	-	-39	18	-	-	-	22	28	49
Oman .....	-	-	-	0	-	-	-	-	-	-
Panama .....	-14	0	-2	-	-	-30	-30	-	0	0
Portugal .....	-	-	-19	-	-	-	-	-	9	9
Puerto Rico .....	-	0	-	0	-	0	0	-	0	0
Russia .....	-	-	-	293	-	-	-	6	44	50
Spain .....	-39	-	-19	9	-	1	1	3	24	27
Sweden .....	-	-	8	8	-	-	-	-	19	19
Trinidad and Tobago .....	-	0	3	0	-	0	0	-	-	-
United Kingdom .....	22	-	-45	7	-	12	12	42	23	65
Vietnam .....	-	-	-	0	-	-	-	0	-	0
Virgin Islands, U.S. ....	-	-	-9	-	-	0	0	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	-62	11	-171	45	-	-81	-81	0	4	4
<b>Total</b> .....	<b>7,689</b>	<b>-154</b>	<b>-965</b>	<b>407</b>	<b>-</b>	<b>-777</b>	<b>-777</b>	<b>209</b>	<b>294</b>	<b>503</b>
<b>Persian Gulf<sup>2</sup></b> .....	<b>2,071</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, January 2017**  
(Thousand Barrels per Day) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b>	<b>0</b>	<b>0</b>	<b>-8</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-36</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>-34</b>
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-17	-	-	-	-17
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	0	-	0	-	-	-	-	-	-	-	-
United Arab Emirates	-	0	-8	-	-	-	0	-	-	-	0
Venezuela	-	-	-	-	-	-	-19	-	2	-	-17
<b>Non-OPEC</b>	<b>-34</b>	<b>-18</b>	<b>-73</b>	<b>6</b>	<b>9</b>	<b>-</b>	<b>-763</b>	<b>-133</b>	<b>-16</b>	<b>7</b>	<b>-905</b>
Argentina	-	-	-	5	-	-	-26	-	-	-	-26
Aruba	-	-	-	-	-	-	-2	-	-	-	-2
Australia	-	-	-	-	-	-	0	-	-	-	0
Bahamas	-	0	-	-	-	-	-5	-	-2	-	-7
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	0	0	0	0	-	-	-	0	-	-	0
Brazil	-	2	-33	-	-	-	-152	-	-	-	-152
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	0	-20	3	-	-	128	-14	36	0	150
Chad	-	-	-	-	-	-	-	-	-	-	-
China	0	0	0	-	-	-	0	-	-	-	0
Colombia	-	-	-2	-	-	-	-47	-	-	-	-47
Denmark	-	-	-	-	-	-	-	-	-	-	-
Dominican Republic	-	-	0	-	-	-	-6	-2	-	-	-8
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	0	-	-	-	-	-39	-11	-	4	-46
Germany	1	0	0	-	-	-	0	-	-	-	0
Guatemala	-	-	0	-	-	-	-22	-17	-	-	-39
Honduras	-	-	-	-	-	-	-6	-7	-	-	-14
India	-	0	-9	-	-	-	20	-	-	-	20
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	0	0	0	-	-	0	-1	-	-	-1
Japan	-	-20	0	-	-	-	0	-	-	-	0
Korea, South	-	0	0	-	-	-	0	-	-	-	0
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	0	-	-	-	-	0	-	-19	-	-19
Mexico	-39	0	-3	0	-	-	-250	-3	3	-	-250
Netherlands	9	0	0	-	-	-	-30	-2	-	-	-32
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	0	-	-	-	0
Oman	-	-	-	-	-	-	0	-	-	-	0
Panama	-	-	-	-	-	-	-55	-16	0	-	-71
Portugal	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	0	0	-	-	-	0	-	0	-	0
Russia	-	-	-	-	-	-	-	-	-	2	2
Spain	-	-	-	-	-	-	-10	-	-	-	-10
Sweden	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	0	0	-	-	-	-	-	1	-	1
United Kingdom	-	0	-	-	-	-	-10	0	-	-	-10
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-21	-10	-8	-	-40
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-5	0	-6	-2	9	-	-230	-50	-27	1	-304
<b>Total</b>	<b>-34</b>	<b>-18</b>	<b>-81</b>	<b>6</b>	<b>9</b>	<b>-</b>	<b>-799</b>	<b>-133</b>	<b>-14</b>	<b>7</b>	<b>-939</b>
<b>Persian Gulf<sup>2</sup></b>	<b>0</b>	<b>0</b>	<b>-8</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0</b>

See footnotes at end of table.



**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, January 2017**  
(Thousand Barrels per Day) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
<b>OPEC</b> .....	0	-	-	8	1	4	-	-
Algeria .....	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	0	-	-14	-	-
Gabon .....	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-
Iraq .....	0	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-
Saudi Arabia .....	0	-	-	0	1	-	-	-
United Arab Emirates .....	0	-	-	-	-	-	-	-
Venezuela .....	-	-	-	8	-	18	-	-
<b>Non-OPEC</b> .....	-2	0	-	-42	15	-53	18	3
Argentina .....	-	-	-	-	-	-	-	-
Aruba .....	0	-	-	-2	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-1	-	0	-	-
Bahrain .....	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	1	-	-	-
Brunei .....	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-
Canada .....	0	0	-	-35	4	10	3	3
Chad .....	-	-	-	-	-	-	-	-
China .....	0	-	-	38	-	0	-	-
Colombia .....	-	-	-	-3	-	4	-	-
Denmark .....	-	-	-	-10	-	-	-	-
Dominican Republic .....	0	-	-	-5	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-
Finland .....	-2	-	-	-10	-	-	-	-
France .....	-	-	-	-	-	-	-	0
Germany .....	-	-	-	-	1	-	-	-
Guatemala .....	-	-	-	-11	-	-1	-	-
Honduras .....	-	-	-	-2	-	-9	-	-
India .....	-	-	-	13	-	0	-	-
Indonesia .....	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-
Japan .....	-	-	-	20	6	-	1	-
Korea, South .....	-	-	-	47	3	0	-	-
Latvia .....	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	0	-	-	-	-
Mexico .....	0	-	-	-40	-	55	9	-
Netherlands .....	0	-	-	-	0	8	2	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-
Panama .....	0	-	-	-7	-	-	-	-
Portugal .....	-	-	-	-	0	-	-	-
Puerto Rico .....	0	-	-	-	-	-	-	-
Russia .....	0	-	-	1	-	2	-	-
Spain .....	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	0	-	-	-	-
Trinidad and Tobago .....	-	-	-	0	-	10	-	-
United Kingdom .....	-	-	-	-	-	-	1	-
Vietnam .....	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	0	-	-	-	-	-11	-	-
Yemen .....	-	-	-	-	-	-	-	-
Other .....	0	0	-	-35	0	-121	2	0
<b>Total</b> .....	-2	0	-	-34	16	-48	18	3
<b>Persian Gulf<sup>2</sup></b> .....	0	-	-	0	1	-	-	-

See footnotes at end of table.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, January 2017**  
(Thousand Barrels per Day) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
<b>OPEC</b>	<b>0</b>	<b>-6</b>	<b>2</b>	<b>-13</b>	<b>0</b>	<b>1</b>	<b>3,581</b>
Algeria	—	—	—	—	—	115	232
Angola	—	—	—	0	—	14	118
Ecuador	0	-6	0	-2	0	-95	153
Gabon	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—
Iraq	—	—	—	0	—	0	622
Kuwait	—	—	0	0	—	0	105
Libya	—	—	—	0	—	13	31
Nigeria	—	—	—	-2	—	5	320
Qatar	—	—	—	10	—	10	10
Saudi Arabia	0	0	—	-1	—	0	1,343
United Arab Emirates	0	0	0	-1	—	-10	-10
Venezuela	—	—	2	-16	—	-49	655
<b>Non-OPEC</b>	<b>-1</b>	<b>-504</b>	<b>1</b>	<b>-70</b>	<b>-4</b>	<b>-2,684</b>	<b>1,426</b>
Argentina	0	0	0	-2	—	-32	-32
Aruba	—	—	—	0	—	-27	-27
Australia	0	-10	0	0	0	-10	-17
Bahamas	—	—	0	-12	—	-27	-27
Bahrain	0	—	—	3	—	3	3
Belgium	0	0	0	-9	0	37	37
Brazil	0	-30	0	-6	0	-263	-68
Brunei	—	0	—	0	—	0	0
Cameroon	—	—	—	—	—	1	1
Canada	-1	-15	13	3	0	266	3,515
Chad	—	—	—	—	—	—	31
China	0	-60	0	-10	0	-211	-276
Colombia	0	0	—	-4	0	-120	146
Denmark	—	—	0	0	—	-7	-7
Dominican Republic	0	—	—	-1	—	-70	-70
Equatorial Guinea	—	—	—	0	—	0	0
Estonia	—	—	—	—	—	0	0
Finland	0	—	—	0	—	-10	-10
France	0	-1	—	-2	—	-46	-63
Germany	0	—	0	-2	0	3	3
Guatemala	0	—	0	0	—	-120	-111
Honduras	0	—	-1	0	—	-49	-49
India	0	-79	0	-1	0	-41	-41
Indonesia	—	0	0	2	—	2	2
Italy	—	-19	0	0	0	-13	-55
Japan	0	-50	0	0	0	-278	-340
Korea, South	0	-21	0	12	0	-51	-51
Latvia	—	—	—	0	—	0	0
Lithuania	—	—	—	0	—	0	0
Malaysia	0	—	0	0	—	-19	-19
Mexico	0	-45	-6	-16	0	-981	-346
Netherlands	0	0	0	-2	0	-40	-96
Netherlands Antilles	—	—	—	—	—	—	—
Norway	—	-3	0	0	—	25	91
Oman	—	-2	—	0	—	-2	-2
Panama	—	—	-1	0	-4	-116	-129
Portugal	—	—	—	0	—	-9	-9
Puerto Rico	0	—	—	0	0	0	0
Russia	0	—	0	0	—	348	348
Spain	0	-26	-1	0	—	-19	-59
Sweden	0	0	—	0	0	34	34
Trinidad and Tobago	—	—	0	0	0	13	13
United Kingdom	0	-1	0	0	0	29	52
Vietnam	0	—	—	0	0	0	0
Virgin Islands, U.S.	—	—	0	0	—	-60	-60
Yemen	—	—	—	0	—	0	0
Other	0	-142	-3	-23	0	-824	-886
<b>Total</b>	<b>-1</b>	<b>-510</b>	<b>3</b>	<b>-83</b>	<b>-4</b>	<b>-2,683</b>	<b>5,007</b>
<b>Persian Gulf<sup>2</sup></b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>—</b>	<b>2</b>	<b>2,073</b>

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-January 2017**  
(Thousand Barrels per Day)

Country of Origin	Crude Oil <sup>1</sup>	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>3,579</b>	<b>0</b>	<b>-22</b>	<b>108</b>	<b>-</b>	<b>-53</b>	<b>-53</b>	<b>-</b>	<b>16</b>	<b>16</b>
Algeria .....	118	-	-	115	-	-	-	-	-	-
Angola .....	104	-	-	12	-	-	-	-	2	2
Ecuador .....	247	0	-22	0	-	-33	-33	-	0	0
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	622	-	-	-	-	-	-	-	-	-
Kuwait .....	105	-	-	-	-	-	-	-	-	-
Libya .....	19	-	-	13	-	-	-	-	-	-
Nigeria .....	315	-	-	0	-	-10	-10	-	17	17
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	1,344	0	-	0	-	-	-	-	-	-
United Arab Emirates .....	-	0	-	0	-	-	-	-	-	-
Venezuela .....	704	-	-	-31	-	-10	-10	-	-2	-2
<b>Non-OPEC</b> .....	<b>4,110</b>	<b>-154</b>	<b>-942</b>	<b>299</b>	<b>-</b>	<b>-723</b>	<b>-723</b>	<b>209</b>	<b>278</b>	<b>487</b>
Argentina .....	-	0	-	-5	-	-9	-9	-	5	5
Aruba .....	-	-	-19	-2	-	-2	-2	-	-	-
Australia .....	-7	0	0	0	-	-	-	-	-	-
Bahamas .....	-	0	0	-3	-	-4	-4	-	0	0
Bahrain .....	-	-	-	-	-	0	0	-	-	-
Belgium .....	-	0	-	25	-	-14	-14	-	34	34
Brazil .....	195	0	-17	-5	-	-23	-23	-	0	0
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	1	-	-	-	-	-	-
Canada .....	3,250	-172	179	-43	-	8	8	106	70	176
Chad .....	31	-	-	-	-	-	-	-	-	-
China .....	-65	0	-146	-34	-	-	-	-	-	-
Colombia .....	266	0	0	-41	-	-45	-45	-	19	19
Denmark .....	-	-	-	1	-	-	-	-	1	1
Dominican Republic .....	-	-	-44	0	-	-9	-9	-	-4	-4
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	0	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	1	1
France .....	-17	-1	-27	8	-	-	-	18	3	22
Germany .....	-	-	-	3	-	-	-	-	-	-
Guatemala .....	9	0	-13	-	-	-55	-55	-	-1	-1
Honduras .....	-	-	-8	-	-	-13	-13	-	-2	-2
India .....	-	0	-27	4	-	-	-	-	36	36
Indonesia .....	-	-	-	0	-	-	-	-	-	-
Italy .....	-42	-	-	0	-	-	-	-	8	8
Japan .....	-62	0	-230	0	-	-5	-5	-	-	-
Korea, South .....	-	-	-91	0	-	-	-	0	0	0
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	635	9	-137	-2	-	-454	-454	0	-62	-62
Netherlands .....	-56	-1	-69	12	-	0	0	12	19	31
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Norway .....	66	-	-39	18	-	-	-	22	28	49
Oman .....	-	-	-	0	-	-	-	-	-	-
Panama .....	-14	0	-2	-	-	-30	-30	-	0	0
Portugal .....	-	-	-19	-	-	-	-	-	9	9
Puerto Rico .....	-	0	-	0	-	0	0	-	0	0
Russia .....	-	-	-	293	-	-	-	6	44	50
Spain .....	-39	-	-19	9	-	1	1	3	24	27
Sweden .....	-	-	8	8	-	-	-	-	19	19
Trinidad and Tobago .....	-	0	3	0	-	0	0	-	-	-
United Kingdom .....	22	-	-45	7	-	12	12	42	23	65
Vietnam .....	-	-	-	0	-	-	-	0	-	0
Virgin Islands, U.S. ....	-	-	-9	-	-	0	0	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	-62	11	-171	45	-	-81	-81	0	4	4
<b>Total</b> .....	<b>7,689</b>	<b>-154</b>	<b>-965</b>	<b>407</b>	<b>-</b>	<b>-777</b>	<b>-777</b>	<b>209</b>	<b>294</b>	<b>503</b>
<b>Persian Gulf<sup>2</sup></b> .....	<b>2,071</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-January 2017**  
(Thousand Barrels per Day) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b>	<b>0</b>	<b>0</b>	<b>-8</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-36</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>-34</b>
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-17	-	-	-	-17
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	0	-	0	-	-	-	-	-	-	-	-
United Arab Emirates	-	0	-8	-	-	-	0	-	-	-	0
Venezuela	-	-	-	-	-	-	-19	-	2	-	-17
<b>Non-OPEC</b>	<b>-34</b>	<b>-18</b>	<b>-73</b>	<b>6</b>	<b>9</b>	<b>-</b>	<b>-763</b>	<b>-133</b>	<b>-16</b>	<b>7</b>	<b>-905</b>
Argentina	-	-	-	5	-	-	-26	-	-	-	-26
Aruba	-	-	-	-	-	-	-2	-	-	-	-2
Australia	-	-	-	-	-	-	0	-	-	-	0
Bahamas	-	0	-	-	-	-	-5	-	-2	-	-7
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	0	0	0	0	-	-	-	0	-	-	0
Brazil	-	2	-33	-	-	-	-152	-	-	-	-152
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	0	-20	3	-	-	128	-14	36	0	150
Chad	-	-	-	-	-	-	-	-	-	-	-
China	0	0	0	-	-	-	0	-	-	-	0
Colombia	-	-	-2	-	-	-	-47	-	-	-	-47
Denmark	-	-	-	-	-	-	-	-	-	-	-
Dominican Republic	-	-	0	-	-	-	-6	-2	-	-	-8
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	0	-	-	-	-	-39	-11	-	4	-46
Germany	1	0	0	-	-	-	0	-	-	-	0
Guatemala	-	-	0	-	-	-	-22	-17	-	-	-39
Honduras	-	-	-	-	-	-	-6	-7	-	-	-14
India	-	0	-9	-	-	-	20	-	-	-	20
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	0	0	0	-	-	0	-1	-	-	-1
Japan	-	-20	0	-	-	-	0	-	-	-	0
Korea, South	-	0	0	-	-	-	0	-	-	-	0
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	0	-	-	-	-	0	-	-19	-	-19
Mexico	-39	0	-3	0	-	-	-250	-3	3	-	-250
Netherlands	9	0	0	-	-	-	-30	-2	-	-	-32
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	0	-	-	-	0
Oman	-	-	-	-	-	-	0	-	-	-	0
Panama	-	-	-	-	-	-	-55	-16	0	-	-71
Portugal	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	0	0	-	-	-	0	-	0	-	0
Russia	-	-	-	-	-	-	-	-	-	2	2
Spain	-	-	-	-	-	-	-10	-	-	-	-10
Sweden	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	0	0	-	-	-	-	-	1	-	1
United Kingdom	-	0	-	-	-	-	-10	0	-	-	-10
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-21	-10	-8	-	-40
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-5	0	-6	-2	9	-	-230	-50	-27	1	-304
<b>Total</b>	<b>-34</b>	<b>-18</b>	<b>-81</b>	<b>6</b>	<b>9</b>	<b>-</b>	<b>-799</b>	<b>-133</b>	<b>-14</b>	<b>7</b>	<b>-939</b>
<b>Persian Gulf<sup>2</sup></b>	<b>0</b>	<b>0</b>	<b>-8</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0</b>

See footnotes at end of table.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-January 2017**  
(Thousand Barrels per Day) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
<b>OPEC</b> .....	0	-	-	8	1	4	-	-
Algeria .....	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	0	-	-14	-	-
Gabon .....	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-
Iraq .....	0	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-
Saudi Arabia .....	0	-	-	0	1	-	-	-
United Arab Emirates .....	0	-	-	-	-	-	-	-
Venezuela .....	-	-	-	8	-	18	-	-
<b>Non-OPEC</b> .....	-2	0	-	-42	15	-53	18	3
Argentina .....	-	-	-	-	-	-	-	-
Aruba .....	0	-	-	-2	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-1	-	0	-	-
Bahrain .....	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	1	-	-	-
Brunei .....	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-
Canada .....	0	0	-	-35	4	10	3	3
Chad .....	-	-	-	-	-	-	-	-
China .....	0	-	-	38	-	0	-	-
Colombia .....	-	-	-	-3	-	4	-	-
Denmark .....	-	-	-	-10	-	-	-	-
Dominican Republic .....	0	-	-	-5	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-
Finland .....	-2	-	-	-10	-	-	-	-
France .....	-	-	-	-	-	-	-	0
Germany .....	-	-	-	-	1	-	-	-
Guatemala .....	-	-	-	-11	-	-1	-	-
Honduras .....	-	-	-	-2	-	-9	-	-
India .....	-	-	-	13	-	0	-	-
Indonesia .....	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-
Japan .....	-	-	-	20	6	-	1	-
Korea, South .....	-	-	-	47	3	0	-	-
Latvia .....	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	0	-	-	-	-
Mexico .....	0	-	-	-40	-	55	9	-
Netherlands .....	0	-	-	-	0	8	2	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-
Panama .....	0	-	-	-7	-	-	-	-
Portugal .....	-	-	-	-	0	-	-	-
Puerto Rico .....	0	-	-	-	-	-	-	-
Russia .....	0	-	-	1	-	2	-	-
Spain .....	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	0	-	-	-	-
Trinidad and Tobago .....	-	-	-	0	-	10	-	-
United Kingdom .....	-	-	-	-	-	-	1	-
Vietnam .....	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	0	-	-	-	-	-11	-	-
Yemen .....	-	-	-	-	-	-	-	-
Other .....	0	0	-	-35	0	-121	2	0
<b>Total</b> .....	-2	0	-	-34	16	-48	18	3
<b>Persian Gulf<sup>2</sup></b> .....	0	-	-	0	1	-	-	-

See footnotes at end of table.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-January 2017**  
(Thousand Barrels per Day) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
<b>OPEC</b>	<b>0</b>	<b>-6</b>	<b>2</b>	<b>-13</b>	<b>0</b>	<b>1</b>	<b>3,581</b>
Algeria	—	—	—	—	—	115	232
Angola	—	—	—	0	—	14	118
Ecuador	0	-6	0	-2	0	-95	153
Gabon	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—
Iraq	—	—	—	0	—	0	622
Kuwait	—	—	0	0	—	0	105
Libya	—	—	—	0	—	13	31
Nigeria	—	—	—	-2	—	5	320
Qatar	—	—	—	10	—	10	10
Saudi Arabia	0	0	—	-1	—	0	1,343
United Arab Emirates	0	0	0	-1	—	-10	-10
Venezuela	—	—	2	-16	—	-49	655
<b>Non-OPEC</b>	<b>-1</b>	<b>-504</b>	<b>1</b>	<b>-70</b>	<b>-4</b>	<b>-2,684</b>	<b>1,426</b>
Argentina	0	0	0	-2	—	-32	-32
Aruba	—	—	—	0	—	-27	-27
Australia	0	-10	0	0	0	-10	-17
Bahamas	—	—	0	-12	—	-27	-27
Bahrain	0	—	—	3	—	3	3
Belgium	0	0	0	-9	0	37	37
Brazil	0	-30	0	-6	0	-263	-68
Brunei	—	0	—	0	—	0	0
Cameroon	—	—	—	—	—	1	1
Canada	-1	-15	13	3	0	266	3,515
Chad	—	—	—	—	—	—	31
China	0	-60	0	-10	0	-211	-276
Colombia	0	0	—	-4	0	-120	146
Denmark	—	—	0	0	—	-7	-7
Dominican Republic	0	—	—	-1	—	-70	-70
Equatorial Guinea	—	—	—	0	—	0	0
Estonia	—	—	—	—	—	0	0
Finland	0	—	—	0	—	-10	-10
France	0	-1	—	-2	—	-46	-63
Germany	0	—	0	-2	0	3	3
Guatemala	0	—	0	0	—	-120	-111
Honduras	0	—	-1	0	—	-49	-49
India	0	-79	0	-1	0	-41	-41
Indonesia	—	0	0	2	—	2	2
Italy	—	-19	0	0	0	-13	-55
Japan	0	-50	0	0	0	-278	-340
Korea, South	0	-21	0	12	0	-51	-51
Latvia	—	—	—	0	—	0	0
Lithuania	—	—	—	0	—	0	0
Malaysia	0	—	0	0	0	-19	-19
Mexico	0	-45	-6	-16	0	-981	-346
Netherlands	0	0	0	-2	0	-40	-96
Netherlands Antilles	—	—	—	—	—	—	—
Norway	—	-3	0	0	—	25	91
Oman	—	-2	—	0	—	-2	-2
Panama	—	—	-1	0	-4	-116	-129
Portugal	—	—	—	0	—	-9	-9
Puerto Rico	0	—	—	0	0	0	0
Russia	0	—	0	0	—	348	348
Spain	0	-26	-1	0	—	-19	-59
Sweden	0	0	—	0	0	34	34
Trinidad and Tobago	—	—	0	0	0	13	13
United Kingdom	0	-1	0	0	0	29	52
Vietnam	0	—	—	0	0	0	0
Virgin Islands, U.S.	—	—	0	0	—	-60	-60
Yemen	—	—	—	0	—	0	0
Other	0	-142	-3	-23	0	-824	-886
<b>Total</b>	<b>-1</b>	<b>-510</b>	<b>3</b>	<b>-83</b>	<b>-4</b>	<b>-2,683</b>	<b>5,007</b>
<b>Persian Gulf<sup>2</sup></b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>—</b>	<b>2</b>	<b>2,073</b>

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, January 2017**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Crude Oil</b> .....	<b>17,923</b>	<b>150,120</b>	<b>959,106</b>	<b>22,716</b>	<b>49,673</b>	<b>1,199,538</b>
Refinery .....	12,062	14,312	48,011	2,506	22,396	99,287
Tank Farms and Pipelines (Includes Cushing, OK) ....	5,861	135,808	216,017	20,210	22,701	400,597
Cushing, Oklahoma .....	—	64,527	—	—	—	64,527
Leases <sup>1</sup> .....	—	—	—	—	—	—
Strategic Petroleum Reserve <sup>2</sup> .....	—	—	695,078	—	—	695,078
Alaskan In Transit .....	—	—	—	—	4,576	4,576
<b>Total Stocks, All Oils (excluding Crude Oil)<sup>3</sup></b> .....	<b>193,485</b>	<b>180,193</b>	<b>367,223</b>	<b>21,680</b>	<b>90,543</b>	<b>853,124</b>
Refinery .....	18,552	49,350	122,823	11,349	51,318	253,392
Bulk Terminal .....	144,406	91,733	188,179	6,171	34,126	464,615
Pipeline .....	30,249	37,608	52,983	4,021	4,988	129,849
Natural Gas Processing Plant .....	278	1,502	3,238	139	111	5,268
<b>Pentanes Plus</b> .....	<b>336</b>	<b>9,540</b>	<b>14,329</b>	<b>305</b>	<b>37</b>	<b>24,547</b>
Refinery .....	—	392	473	15	3	883
Bulk Terminal .....	274	1,667	11,398	5	4	13,348
Pipeline .....	10	7,300	2,232	244	—	9,786
Natural Gas Processing Plant .....	52	181	226	41	30	530
<b>Liquefied Petroleum Gases</b> .....	<b>6,678</b>	<b>30,116</b>	<b>102,530</b>	<b>2,363</b>	<b>2,851</b>	<b>144,538</b>
Refinery .....	1,114	3,714	8,625	345	1,471	15,269
Bulk Terminal .....	4,604	16,474	77,610	279	1,288	100,255
Pipeline .....	734	8,607	13,283	1,641	11	24,276
Natural Gas Processing Plant .....	226	1,321	3,012	98	81	4,738
<b>Ethane/Ethylene</b> .....	<b>279</b>	<b>5,305</b>	<b>46,072</b>	<b>454</b>	<b>—</b>	<b>52,110</b>
Refinery .....	—	—	150	—	—	150
Bulk Terminal .....	87	2,568	40,406	—	—	43,061
Ethylene .....	—	—	—	—	—	—
Pipeline .....	192	2,523	5,133	453	—	8,301
Natural Gas Processing Plant .....	—	214	383	1	—	598
<b>Propane/Propylene</b> .....	<b>5,129</b>	<b>16,252</b>	<b>36,001</b>	<b>1,051</b>	<b>1,009</b>	<b>59,442</b>
Refinery .....	347	1,490	2,108	38	98	4,081
Bulk Terminal .....	4,107	9,912	26,003	194	877	41,093
Nonfuel Use .....	—	—	3,654	—	—	3,654
Pipeline .....	525	4,120	6,204	761	11	11,621
Natural Gas Processing Plant .....	150	730	1,686	58	23	2,647
<b>Normal Butane/Butylene</b> .....	<b>1,024</b>	<b>6,758</b>	<b>15,159</b>	<b>603</b>	<b>1,349</b>	<b>24,893</b>
Refinery .....	546	1,732	4,606	206	886	7,976
Bulk Terminal .....	410	3,443	8,930	84	411	13,278
Refinery Grade Butane .....	10	1,166	2,125	39	—	3,340
Pipeline .....	6	1,345	1,183	282	—	2,816
Natural Gas Processing Plant .....	62	238	440	31	52	823
<b>Isobutane/Isobutylene</b> .....	<b>246</b>	<b>1,801</b>	<b>5,298</b>	<b>255</b>	<b>493</b>	<b>8,093</b>
Refinery .....	221	492	1,761	101	487	3,062
Bulk Terminal .....	—	551	2,271	1	—	2,823
Pipeline .....	11	619	763	145	—	1,538
Natural Gas Processing Plant .....	14	139	503	8	6	670
<b>Other Hydrocarbons</b> .....	<b>—</b>	<b>17</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>17</b>
Refinery .....	—	17	—	—	—	17
<b>Oxygenates (excluding Fuel Ethanol)</b> .....	<b>—</b>	<b>—</b>	<b>1,529</b>	<b>—</b>	<b>—</b>	<b>1,529</b>
Refinery .....	—	—	93	—	—	93
Bulk Terminal .....	—	—	1,436	—	—	1,436
Pipeline .....	—	—	—	—	—	—
<b>MTBE</b> .....	<b>—</b>	<b>—</b>	<b>1,122</b>	<b>—</b>	<b>—</b>	<b>1,122</b>
Refinery .....	—	—	93	—	—	93
Bulk Terminal <sup>4</sup> .....	—	—	1,029	—	—	1,029
Pipeline .....	—	—	—	—	—	—
<b>Other Oxygenates<sup>5</sup></b> .....	<b>—</b>	<b>—</b>	<b>407</b>	<b>—</b>	<b>—</b>	<b>407</b>
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	—	—	407	—	—	407
Pipeline .....	—	—	—	—	—	—
<b>Renewable Fuels (including Fuel Ethanol)</b> .....	<b>10,321</b>	<b>8,892</b>	<b>6,432</b>	<b>388</b>	<b>3,915</b>	<b>29,948</b>
Refinery .....	197	144	326	131	361	1,159
Bulk Terminal .....	10,124	8,748	6,106	252	3,554	28,784
Pipeline .....	—	—	—	5	—	5
<b>Fuel Ethanol<sup>3</sup></b> .....	<b>7,924</b>	<b>7,964</b>	<b>4,003</b>	<b>376</b>	<b>2,366</b>	<b>22,633</b>
Refinery .....	191	110	156	122	31	610
Bulk Terminal .....	7,733	7,854	3,847	249	2,335	22,018
Pipeline .....	—	—	—	5	—	5
<b>Renewable Diesel Fuel</b> .....	<b>2,397</b>	<b>928</b>	<b>2,423</b>	<b>12</b>	<b>1,509</b>	<b>7,269</b>
Refinery .....	6	34	170	9	290	509
Bulk Terminal .....	2,391	894	2,253	3	1,219	6,760
Pipeline .....	—	—	—	—	—	—
<b>Other Renewable Fuels</b> .....	<b>—</b>	<b>—</b>	<b>6</b>	<b>—</b>	<b>40</b>	<b>46</b>
Refinery .....	—	—	—	—	40	40
Bulk Terminal .....	—	—	6	—	—	6
Pipeline .....	—	—	—	—	—	—

See footnotes at end of table.

**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, January 2017**  
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Unfinished Oils</b> .....	<b>5,676</b>	<b>13,437</b>	<b>45,723</b>	<b>2,899</b>	<b>20,027</b>	<b>87,762</b>
<b>Naphthas and Lighter</b> .....	<b>1,765</b>	<b>3,230</b>	<b>12,356</b>	<b>629</b>	<b>3,634</b>	<b>21,614</b>
Refinery .....	1,541	3,196	10,895	629	3,409	19,670
Bulk Terminal .....	224	34	1,461	—	225	1,944
<b>Kerosene and Light Gas Oils</b> .....	<b>868</b>	<b>2,628</b>	<b>7,872</b>	<b>460</b>	<b>3,572</b>	<b>15,400</b>
Refinery .....	867	2,562	7,687	460	3,529	15,105
Bulk Terminal .....	1	66	185	—	43	295
<b>Heavy Gas Oils</b> .....	<b>2,180</b>	<b>4,793</b>	<b>20,537</b>	<b>1,286</b>	<b>10,039</b>	<b>38,835</b>
Refinery .....	2,178	4,783	18,166	1,286	9,939	36,352
Bulk Terminal .....	2	10	2,371	—	100	2,483
<b>Residuum</b> .....	<b>863</b>	<b>2,786</b>	<b>4,958</b>	<b>524</b>	<b>2,782</b>	<b>11,913</b>
Refinery .....	863	2,399	4,958	524	2,782	11,526
Bulk Terminal .....	—	387	—	—	—	387
<b>Motor Gasoline Blending Components<sup>3</sup></b> .....	<b>68,408</b>	<b>52,536</b>	<b>75,080</b>	<b>6,500</b>	<b>29,027</b>	<b>231,551</b>
Refinery .....	5,864	14,400	27,425	3,745	13,982	65,416
Bulk Terminal .....	51,231	27,748	31,711	1,919	12,446	125,055
Pipeline .....	11,313	10,388	15,944	836	2,599	41,080
<b>Reformulated - RBOB</b> .....	<b>22,496</b>	<b>7,276</b>	<b>11,187</b>	<b>—</b>	<b>14,585</b>	<b>55,544</b>
Refinery .....	1,718	1,240	1,862	—	5,692	10,512
Bulk Terminal .....	16,800	4,324	5,851	—	7,509	34,484
Pipeline .....	3,978	1,712	3,474	—	1,384	10,548
<b>Conventional</b> .....	<b>45,912</b>	<b>45,260</b>	<b>63,893</b>	<b>6,500</b>	<b>14,442</b>	<b>176,007</b>
Refinery .....	4,146	13,160	25,563	3,745	8,290	54,904
Bulk Terminal .....	34,431	23,424	25,860	1,919	4,937	90,571
Pipeline .....	7,335	8,676	12,470	836	1,215	30,532
<b>CBOB</b> .....	<b>29,146</b>	<b>36,363</b>	<b>33,548</b>	<b>4,630</b>	<b>7,390</b>	<b>111,077</b>
Refinery .....	735	6,670	10,862	1,876	1,975	22,118
Bulk Terminal .....	21,076	21,629	10,409	1,918	4,205	59,237
Pipeline .....	7,335	8,064	12,277	836	1,210	29,722
<b>GTAB</b> .....	<b>1,381</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1,381</b>
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	1,381	—	—	—	—	1,381
Pipeline .....	—	—	—	—	—	—
<b>Other</b> .....	<b>15,385</b>	<b>8,897</b>	<b>30,345</b>	<b>1,870</b>	<b>7,052</b>	<b>63,549</b>
Refinery .....	3,411	6,490	14,701	1,869	6,315	32,786
Bulk Terminal .....	11,974	1,795	15,451	1	732	29,953
Pipeline .....	—	612	193	—	5	810
<b>Aviation Gasoline Blending Components</b> .....	<b>—</b>	<b>—</b>	<b>10</b>	<b>—</b>	<b>—</b>	<b>10</b>
Refinery .....	—	—	10	—	—	10
Bulk Terminal .....	—	—	—	—	—	—
<b>Finished Motor Gasoline</b> .....	<b>5,846</b>	<b>7,545</b>	<b>11,065</b>	<b>2,118</b>	<b>1,922</b>	<b>28,496</b>
Refinery .....	45	1,495	3,834	766	609	6,749
Bulk Terminal .....	1,823	3,489	4,326	1,003	1,269	11,910
Pipeline .....	3,978	2,561	2,905	349	44	9,837
<b>Reformulated</b> .....	<b>39</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>16</b>	<b>55</b>
Refinery .....	—	—	—	—	16	16
Bulk Terminal .....	39	—	—	—	—	39
Pipeline .....	—	—	—	—	—	—
<b>Reformulated (Blended with Fuel Ethanol)</b> .....	<b>39</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>16</b>	<b>55</b>
Refinery .....	—	—	—	—	16	16
Bulk Terminal .....	39	—	—	—	—	39
Pipeline .....	—	—	—	—	—	—
<b>Reformulated (Other)</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	—	—	—	—	—	—
Pipeline .....	—	—	—	—	—	—
<b>Conventional</b> .....	<b>5,807</b>	<b>7,545</b>	<b>11,065</b>	<b>2,118</b>	<b>1,906</b>	<b>28,441</b>
Refinery .....	45	1,495	3,834	766	593	6,733
Bulk Terminal .....	1,784	3,489	4,326	1,003	1,269	11,871
Pipeline .....	3,978	2,561	2,905	349	44	9,837
<b>Conventional (Blended with Fuel Ethanol)</b> .....	<b>85</b>	<b>113</b>	<b>—</b>	<b>57</b>	<b>1</b>	<b>256</b>
Refinery .....	—	—	—	53	—	53
Bulk Terminal .....	85	113	—	4	1	203
Pipeline .....	—	—	—	—	—	—
<b>Ed55 and Lower</b> .....	<b>85</b>	<b>113</b>	<b>—</b>	<b>57</b>	<b>1</b>	<b>256</b>
Refinery .....	—	—	—	53	—	53
Bulk Terminal .....	85	113	—	4	1	203
Pipeline .....	—	—	—	—	—	—
<b>Greater than Ed55</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	—	—	—	—	—	—
Pipeline .....	—	—	—	—	—	—
<b>Conventional (Other)</b> .....	<b>5,722</b>	<b>7,432</b>	<b>11,065</b>	<b>2,061</b>	<b>1,905</b>	<b>28,185</b>
Refinery .....	45	1,495	3,834	713	593	6,680
Bulk Terminal .....	1,699	3,376	4,326	999	1,268	11,668
Pipeline .....	3,978	2,561	2,905	349	44	9,837

See footnotes at end of table.



**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, January 2017**  
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Finished Aviation Gasoline</b> .....	<b>192</b>	<b>222</b>	<b>383</b>	<b>10</b>	<b>211</b>	<b>1,018</b>
Refinery .....	—	99	329	10	115	553
Bulk Terminal .....	192	123	54	—	96	465
Pipeline .....	—	—	—	—	—	—
<b>Kerosene-Type Jet Fuel</b> .....	<b>9,996</b>	<b>7,175</b>	<b>15,161</b>	<b>618</b>	<b>9,450</b>	<b>42,400</b>
Refinery .....	521	1,792	5,792	307	3,738	12,150
Bulk Terminal .....	4,828	3,441	3,996	230	4,681	17,176
Pipeline .....	4,647	1,942	5,373	81	1,031	13,074
<b>Kerosene</b> .....	<b>1,924</b>	<b>165</b>	<b>247</b>	<b>2</b>	<b>30</b>	<b>2,368</b>
Refinery .....	118	133	120	2	5	378
Bulk Terminal .....	1,761	32	127	—	25	1,945
Pipeline .....	45	—	—	—	—	45
<b>Distillate Fuel Oil<sup>5</sup></b> .....	<b>67,031</b>	<b>35,188</b>	<b>48,427</b>	<b>4,150</b>	<b>14,141</b>	<b>168,937</b>
Refinery .....	2,768	7,079	13,836	1,799	5,957	31,439
Bulk Terminal .....	54,741	21,299	21,350	1,486	6,891	105,767
Pipeline .....	9,522	6,810	13,241	865	1,293	31,731
<b>15 ppm sulfur and Under</b> .....	<b>53,978</b>	<b>34,145</b>	<b>42,042</b>	<b>3,853</b>	<b>13,266</b>	<b>147,284</b>
Refinery .....	1,875	6,351	11,245	1,538	5,351	26,360
Bulk Terminal .....	43,920	21,193	18,668	1,452	6,719	91,952
Pipeline .....	8,183	6,601	12,129	863	1,196	28,972
<b>Greater than 15 ppm to 500 ppm sulfur</b> .....	<b>6,151</b>	<b>396</b>	<b>1,763</b>	<b>211</b>	<b>168</b>	<b>8,689</b>
Refinery .....	123	154	887	175	165	1,504
Bulk Terminal .....	5,894	51	444	34	3	6,426
Pipeline .....	134	191	432	2	—	759
<b>Greater than 500 ppm sulfur</b> .....	<b>6,902</b>	<b>647</b>	<b>4,622</b>	<b>86</b>	<b>707</b>	<b>12,964</b>
Refinery .....	770	574	1,704	86	441	3,575
Bulk Terminal .....	4,927	55	2,238	—	169	7,389
Pipeline .....	1,205	18	680	—	97	2,000
<b>Residual Fuel Oil<sup>6</sup></b> .....	<b>10,312</b>	<b>1,449</b>	<b>23,676</b>	<b>259</b>	<b>4,761</b>	<b>40,457</b>
Refinery .....	516	1,317	3,846	259	2,691	8,629
Bulk Terminal .....	9,796	132	19,830	—	2,064	31,822
Pipeline .....	—	—	—	—	6	6
<b>Less than 0.31% Sulfur</b> .....	<b>1,103</b>	<b>42</b>	<b>1,858</b>	<b>38</b>	<b>583</b>	<b>3,624</b>
Refinery .....	98	34	181	38	—	351
Bulk Terminal .....	1,005	8	1,677	—	583	3,273
<b>0.31% to 1.00% Sulfur</b> .....	<b>2,450</b>	<b>206</b>	<b>4,941</b>	<b>4</b>	<b>803</b>	<b>8,404</b>
Refinery .....	28	188	259	4	532	1,011
Bulk Terminal .....	2,422	18	4,682	—	271	7,393
<b>Greater than 1.00% Percent Sulfur</b> .....	<b>6,759</b>	<b>1,201</b>	<b>16,877</b>	<b>217</b>	<b>3,369</b>	<b>28,423</b>
Refinery .....	390	1,095	3,406	217	2,159	7,267
Bulk Terminal .....	6,369	106	13,471	—	1,210	21,156
<b>Petrochemical Feedstocks</b> .....	<b>162</b>	<b>626</b>	<b>2,379</b>	<b>—</b>	<b>1</b>	<b>3,168</b>
Refinery .....	162	626	2,379	—	1	3,168
Naphtha for Petrochemical Feedstock Use .....	162	477	1,570	—	1	2,210
Other Oils for Petrochemical Feedstock Use .....	—	149	809	—	—	958
<b>Special Naphthas</b> .....	<b>25</b>	<b>139</b>	<b>1,022</b>	<b>—</b>	<b>49</b>	<b>1,235</b>
Refinery .....	17	73	786	—	49	925
Bulk Terminal .....	8	66	236	—	—	310
<b>Lubricants</b> .....	<b>1,147</b>	<b>685</b>	<b>9,214</b>	<b>—</b>	<b>590</b>	<b>11,636</b>
Refinery .....	666	222	5,806	—	435	7,129
Bulk Terminal .....	481	463	3,408	—	155	4,507
<b>Waxes</b> .....	<b>400</b>	<b>47</b>	<b>249</b>	<b>—</b>	<b>—</b>	<b>696</b>
Refinery .....	400	47	249	—	—	696
<b>Petroleum Coke</b> .....	<b>—</b>	<b>1,101</b>	<b>4,526</b>	<b>169</b>	<b>1,313</b>	<b>7,109</b>
Refinery .....	—	1,101	4,526	169	1,313	7,109
<b>Asphalt and Road Oil</b> .....	<b>4,997</b>	<b>11,204</b>	<b>4,776</b>	<b>1,880</b>	<b>2,126</b>	<b>24,983</b>
Refinery .....	681	3,650	2,202	883	841	8,257
Bulk Terminal .....	4,316	7,554	2,574	997	1,285	16,726
<b>Miscellaneous Products</b> .....	<b>34</b>	<b>109</b>	<b>465</b>	<b>19</b>	<b>92</b>	<b>719</b>
Refinery .....	34	109	460	19	88	710
Bulk Terminal .....	—	—	—	—	—	—
Pipeline .....	—	—	5	—	4	9
<b>Total Stocks, All Oils</b> .....	<b>211,408</b>	<b>330,313</b>	<b>1,326,329</b>	<b>44,396</b>	<b>140,216</b>	<b>2,052,662</b>

— = No Data Reported.

<sup>1</sup> Lease stocks were excluded from crude oil stocks beginning with data for July 2016 (see explanatory notes).

<sup>2</sup> Crude oil stocks in the Strategic Petroleum Reserve include non-U.S. stocks held under foreign or commercial storage agreements.

<sup>3</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Includes stocks held at fuel ethanol production facilities.

<sup>4</sup> Includes stocks held by merchant producers.

<sup>5</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

<sup>6</sup> Sulfur content not available for stocks held by pipelines.

Note: Stocks are reported as of the last day of the month.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report."

**Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, January 2017**  
(Thousand Barrels)

Commodity	Motor Gasoline			Motor Gasoline Blending Components <sup>1</sup>			Kerosene
	Reformulated	Conventional	Total	Reformulated	Conventional	Total	
<b>PAD District 1</b> .....	<b>39</b>	<b>1,829</b>	<b>1,868</b>	<b>18,518</b>	<b>38,577</b>	<b>57,095</b>	<b>1,879</b>
Connecticut .....	—	—	—	1,439	—	1,439	182
Delaware .....	—	—	—	1,041	512	1,553	104
District of Columbia .....	—	—	—	—	—	—	—
Florida .....	—	572	572	—	5,478	5,478	—
Georgia .....	—	327	327	—	3,230	3,230	—
Maine .....	—	—	—	567	311	878	185
Maryland .....	—	—	—	1,667	134	1,801	72
Massachusetts .....	5	—	5	1,492	134	1,626	31
New Hampshire .....	—	—	—	—	—	—	25
New Jersey .....	—	223	223	7,054	14,653	21,707	19
New York .....	34	—	34	1,155	2,471	3,626	594
North Carolina .....	—	265	265	—	2,799	2,799	332
Pennsylvania .....	—	18	18	1,246	5,158	6,404	155
Rhode Island .....	—	—	—	604	—	604	—
South Carolina .....	—	155	155	—	1,561	1,561	39
Vermont .....	—	85	85	—	—	—	3
Virginia .....	—	141	141	2,253	1,981	4,234	138
West Virginia .....	—	43	43	—	155	155	—
<b>PAD District 2</b> .....	<b>—</b>	<b>4,984</b>	<b>4,984</b>	<b>5,564</b>	<b>36,584</b>	<b>42,148</b>	<b>165</b>
Illinois .....	—	314	314	2,694	4,586	7,280	128
Indiana .....	—	307	307	1,083	5,039	6,122	1
Iowa .....	—	221	221	—	2,309	2,309	—
Kansas .....	—	375	375	—	4,196	4,196	17
Kentucky .....	—	438	438	600	1,264	1,864	9
Michigan .....	—	277	277	102	3,305	3,407	—
Minnesota .....	—	479	479	109	2,570	2,679	—
Missouri .....	—	224	224	282	682	964	—
Nebraska .....	—	136	136	—	829	829	—
North Dakota .....	—	261	261	—	802	802	—
Ohio .....	—	1,046	1,046	10	4,505	4,515	—
Oklahoma .....	—	473	473	—	2,585	2,585	10
South Dakota .....	—	48	48	—	450	450	—
Tennessee .....	—	200	200	—	2,085	2,085	—
Wisconsin .....	—	185	185	684	1,377	2,061	—
<b>PAD District 3</b> .....	<b>—</b>	<b>8,160</b>	<b>8,160</b>	<b>7,713</b>	<b>51,423</b>	<b>59,136</b>	<b>247</b>
Alabama .....	—	205	205	—	1,426	1,426	5
Arkansas .....	—	184	184	—	803	803	—
Louisiana .....	—	1,593	1,593	511	12,500	13,011	72
Mississippi .....	—	2,064	2,064	202	2,092	2,294	—
New Mexico .....	—	81	81	—	686	686	—
Texas .....	—	4,033	4,033	7,000	33,916	40,916	170
<b>PAD District 4</b> .....	<b>—</b>	<b>1,769</b>	<b>1,769</b>	<b>—</b>	<b>5,664</b>	<b>5,664</b>	<b>2</b>
Colorado .....	—	321	321	—	1,632	1,632	—
Idaho .....	—	363	363	—	196	196	—
Montana .....	—	562	562	—	1,516	1,516	—
Utah .....	—	142	142	—	1,341	1,341	2
Wyoming .....	—	381	381	—	979	979	—
<b>PAD District 5</b> .....	<b>16</b>	<b>1,862</b>	<b>1,878</b>	<b>13,201</b>	<b>13,227</b>	<b>26,428</b>	<b>30</b>
Alaska .....	—	734	734	—	—	—	25
Arizona .....	—	102	102	922	443	1,365	—
California .....	16	198	214	12,122	6,709	18,831	5
Hawaii .....	—	2	2	—	818	818	—
Nevada .....	—	146	146	18	305	323	—
Oregon .....	—	73	73	—	1,491	1,491	—
Washington .....	—	607	607	139	3,461	3,600	—
<b>U.S. Total</b> .....	<b>55</b>	<b>18,604</b>	<b>18,659</b>	<b>44,996</b>	<b>145,475</b>	<b>190,471</b>	<b>2,323</b>

See footnotes at end of table.

**Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, January 2017**  
(Thousand Barrels) — Continued

Commodity	Distillate Fuel Oil <sup>1</sup>				Residual Fuel Oil	Propane/ Propylene
	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	Greater than 500 ppm	Total		
<b>PAD District 1</b> .....	<b>45,795</b>	<b>6,017</b>	<b>5,697</b>	<b>57,509</b>	<b>10,312</b>	<b>4,604</b>
Connecticut .....	2,891	2,767	114	5,772	28	—
Delaware .....	407	22	52	481	777	35
District of Columbia .....	—	—	—	—	—	—
Florida .....	2,295	68	—	2,363	1,490	311
Georgia .....	1,375	—	—	1,375	446	14
Maine .....	1,076	3	854	1,933	107	—
Maryland .....	3,689	252	—	3,941	896	2
Massachusetts .....	1,075	725	680	2,480	220	—
New Hampshire .....	277	—	375	652	24	409
New Jersey .....	17,026	254	1,210	18,490	3,486	289
New York .....	6,685	590	605	7,880	1,593	884
North Carolina .....	1,274	—	28	1,302	—	427
Pennsylvania .....	3,827	239	1,179	5,245	539	1,467
Rhode Island .....	515	872	7	1,394	53	—
South Carolina .....	815	—	—	815	233	678
Vermont .....	38	—	32	70	—	—
Virginia .....	2,379	209	561	3,149	420	6
West Virginia .....	151	16	—	167	—	82
<b>PAD District 2</b> .....	<b>27,544</b>	<b>205</b>	<b>629</b>	<b>28,378</b>	<b>1,449</b>	<b>12,132</b>
Illinois .....	3,062	—	—	3,062	462	744
Indiana .....	4,024	—	90	4,114	98	270
Iowa .....	2,751	—	—	2,751	2	436
Kansas .....	2,893	—	—	2,893	26	5,638
Kentucky .....	794	—	2	796	200	259
Michigan .....	1,726	—	—	1,726	118	3,573
Minnesota .....	2,117	5	340	2,462	119	159
Missouri .....	798	46	1	845	55	185
Nebraska .....	1,178	—	—	1,178	—	140
North Dakota .....	1,083	1	—	1,084	82	69
Ohio .....	2,124	—	44	2,168	148	526
Oklahoma .....	1,847	79	120	2,046	24	56
South Dakota .....	799	—	—	799	—	32
Tennessee .....	869	—	—	869	63	4
Wisconsin .....	1,479	74	32	1,585	52	41
<b>PAD District 3</b> .....	<b>29,913</b>	<b>1,331</b>	<b>3,942</b>	<b>35,186</b>	<b>23,676</b>	<b>29,797</b>
Alabama .....	1,323	11	22	1,356	412	28
Arkansas .....	764	—	40	804	—	84
Louisiana .....	4,084	678	1,534	6,296	11,026	2,899
Mississippi .....	946	428	167	1,541	47	3,885
New Mexico .....	403	—	—	403	71	15
Texas .....	22,393	214	2,179	24,786	12,120	22,886
<b>PAD District 4</b> .....	<b>2,990</b>	<b>209</b>	<b>86</b>	<b>3,285</b>	<b>259</b>	<b>290</b>
Colorado .....	606	—	—	606	4	19
Idaho .....	190	—	—	190	—	—
Montana .....	1,180	67	—	1,247	95	25
Utah .....	502	75	86	663	60	206
Wyoming .....	512	67	—	579	100	40
<b>PAD District 5</b> .....	<b>12,070</b>	<b>168</b>	<b>610</b>	<b>12,848</b>	<b>4,755</b>	<b>998</b>
Alaska .....	899	—	81	980	123	5
Arizona .....	819	3	—	822	—	606
California .....	6,390	165	198	6,753	2,958	179
Hawaii .....	260	—	326	586	999	71
Nevada .....	341	—	5	346	—	—
Oregon .....	1,116	—	—	1,116	7	—
Washington .....	2,245	—	—	2,245	668	137
<b>U.S. Total</b> .....	<b>118,312</b>	<b>7,930</b>	<b>10,964</b>	<b>137,206</b>	<b>40,451</b>	<b>47,821</b>

— = No Data Reported.

<sup>1</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Note: Stocks are reported as of the last day of the month.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report."

**Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, January 2017**  
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
<b>Crude Oil</b> .....	<b>266</b>	<b>73</b>	<b>0</b>	<b>4,795</b>	<b>35,965</b>	<b>7,484</b>	<b>4,694</b>	<b>1,095</b>	<b>23,543</b>
<b>Petroleum Products</b> .....	<b>12,457</b>	<b>670</b>	<b>0</b>	<b>15,383</b>	<b>29,820</b>	<b>6,024</b>	<b>4,931</b>	<b>101,337</b>	<b>20,013</b>
Pentanes Plus .....	10	0	—	0	838	254	—	0	5,694
Liquefied Petroleum Gases .....	4,175	670	0	2,766	17,148	3,073	564	2,374	3,800
Unfinished Oils .....	47	0	—	0	581	—	—	0	206
Motor Gasoline Blending Components .....	5,699	0	0	1,223	1,645	1,071	0	50,139	5,739
Reformulated - RBOB .....	0	0	0	0	376	—	0	8,116	1,662
Conventional .....	5,699	0	0	1,223	1,269	1,071	0	42,023	4,077
CBOB .....	5,699	0	0	1,223	1,002	1,071	0	42,023	3,152
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	0	0	—	—	267	—	—	—	925
Renewable Fuels .....	0	0	0	9,591	7,069	—	0	125	0
Fuel Ethanol .....	0	0	0	9,398	6,830	285	4,232	125	0
Renewable Diesel Fuel <sup>2</sup> .....	0	0	0	192	239	19	135	0	0
Other Renewable Fuels .....	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline .....	79	0	0	621	353	231	0	6,451	548
Reformulated .....	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	79	0	0	621	353	231	0	6,451	548
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	79	0	0	621	353	231	0	6,451	548
Finished Aviation Gasoline .....	0	0	—	0	23	—	—	929	132
Kerosene-Type Jet Fuel .....	211	0	0	118	18	730	0	12,896	1,397
Kerosene .....	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil .....	2,218	0	0	962	1,149	361	0	27,611	2,125
15 ppm sulfur and under .....	2,218	0	0	962	1,149	326	0	25,134	2,060
Greater than 15 ppm to 500 ppm sulfur .....	0	0	—	0	0	—	—	90	65
Greater than 500 ppm sulfur .....	0	0	—	0	0	35	—	2,387	0
Residual Fuel Oil .....	0	0	—	—	844	—	—	—	0
Petrochemical Feedstocks .....	18	0	—	0	152	—	—	0	0
Naphtha for Petrochemical Feedstock Use .....	0	0	—	—	82	—	—	—	0
Other Oils for Petrochemical Feedstock Use .....	18	0	—	0	70	—	—	0	0
Special Naphthas .....	0	0	—	—	0	—	—	—	44
Lubricants .....	0	0	—	0	0	—	—	531	196
Waxes .....	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil .....	0	0	—	102	0	—	—	281	112
Miscellaneous Products .....	0	0	—	—	0	—	—	—	20
<b>Total</b> .....	<b>12,723</b>	<b>743</b>	<b>0</b>	<b>20,178</b>	<b>65,785</b>	<b>13,508</b>	<b>9,625</b>	<b>102,432</b>	<b>43,556</b>

See footnotes at end of table.

**Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, January 2017**  
(Thousand Barrels) — Continued

Commodity	From 3 to		From 4 to				From 5 to		
	4	5	1	2	3	5	1	3	4
<b>Crude Oil</b> .....	0	170	0	18,453	916	0	0	0	0
<b>Petroleum Products</b> .....	0	5,213	0	6,968	6,529	2,635	0	0	0
Pentanes Plus .....	0	—	0	601	966	—	0	0	0
Liquefied Petroleum Gases .....	0	285	0	5,126	5,563	454	0	0	0
Unfinished Oils .....	—	—	0	0	0	—	0	0	—
Motor Gasoline Blending Components .....	0	3,788	0	241	0	1,356	0	0	0
Reformulated - RBOB .....	—	2,429	0	0	0	0	0	0	—
Conventional .....	0	1,359	0	241	0	1,356	0	0	0
CBOB .....	0	1,359	0	241	0	1,356	0	0	0
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	—	—	—	0	0	—	—	0	—
Renewable Fuels .....	—	221	0	0	0	0	0	0	—
Fuel Ethanol .....	0	183	0	0	0	0	0	0	0
Renewable Diesel Fuel <sup>2</sup> .....	0	37	0	0	0	0	0	0	0
Other Renewable Fuels .....	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline .....	0	0	0	457	0	313	0	0	0
Reformulated .....	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	0	0	0	457	0	313	0	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	0	0	0	457	0	313	0	0	0
Finished Aviation Gasoline .....	—	—	0	0	0	—	0	0	—
Kerosene-Type Jet Fuel .....	0	237	0	0	0	50	0	0	0
Kerosene .....	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil .....	0	682	0	543	0	462	0	0	0
15 ppm sulfur and under .....	0	682	0	536	0	462	0	0	0
Greater than 15 ppm to 500 ppm sulfur .....	—	—	0	0	0	—	0	0	—
Greater than 500 ppm sulfur .....	0	—	0	7	0	—	0	0	0
Residual Fuel Oil .....	—	—	—	0	0	—	—	0	—
Petrochemical Feedstocks .....	—	—	0	0	0	—	0	0	—
Naphtha for Petrochemical Feedstock Use .....	—	—	—	0	0	—	—	0	—
Other Oils for Petrochemical Feedstock Use .....	—	—	0	0	0	—	0	0	—
Special Naphthas .....	—	—	—	0	0	—	—	0	—
Lubricants .....	—	—	0	0	0	—	0	0	—
Waxes .....	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil .....	—	—	0	0	0	—	0	0	—
Miscellaneous Products .....	—	—	—	0	0	—	—	0	—
<b>Total</b> .....	0	5,383	0	25,421	7,445	2,635	0	0	0

— = No Data Reported.

<sup>1</sup> Movements of crude oil, fuel ethanol and biodiesel include movements by rail. Movements of other products are by pipeline, tanker and barge only.

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, January 2017**  
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
<b>Crude Oil</b> .....	<b>85</b>	<b>73</b>	<b>208</b>	<b>35,086</b>	<b>7,484</b>	<b>184</b>	<b>23,468</b>	<b>0</b>	<b>-</b>
<b>Petroleum Products</b> .....	<b>12,147</b>	<b>0</b>	<b>3,174</b>	<b>18,952</b>	<b>5,720</b>	<b>84,457</b>	<b>18,269</b>	<b>0</b>	<b>4,707</b>
Pentanes Plus .....	10	0	0	838	254	0	5,694	0	-
Liquefied Petroleum Gases .....	3,930	0	1,068	15,636	3,073	2,022	3,324	0	-
Motor Gasoline Blending Components .....	5,699	0	887	1,378	1,071	41,555	5,527	0	3,788
Reformulated - RBOB .....	0	0	0	376	-	8,116	1,662	-	2,429
Conventional .....	5,699	0	887	1,002	1,071	33,439	3,865	0	1,359
CBOB .....	5,699	0	887	1,002	1,071	33,439	3,152	0	1,359
GTAB .....	-	-	-	-	-	-	-	-	-
Other .....	0	0	-	0	-	-	713	-	-
Renewable Fuels .....	-	-	-	-	-	-	-	-	-
Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel <sup>1</sup> .....	-	-	-	-	-	-	-	-	-
Other Renewable Fuels .....	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline .....	79	0	598	105	231	4,715	466	0	0
Reformulated .....	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Reformulated Other .....	-	-	-	-	-	-	-	-	-
Conventional .....	79	0	598	105	231	4,715	466	0	0
Conventional Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Ed55 and Lower .....	-	-	-	-	-	-	-	-	-
Greater than Ed55 .....	-	-	-	-	-	-	-	-	-
Conventional Other .....	79	0	598	105	231	4,715	466	0	0
Finished Aviation Gasoline .....	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	211	0	118	18	730	11,335	1,397	0	237
Kerosene .....	-	-	-	-	-	-	-	-	-
Distillate Fuel Oil .....	2,218	0	503	977	361	24,830	1,861	0	682
15 ppm sulfur and under .....	2,218	0	503	977	326	22,353	1,796	0	682
Greater than 15 ppm to 500 ppm sulfur .....	0	0	0	0	-	90	65	-	-
Greater than 500 ppm sulfur .....	0	0	0	0	35	2,387	0	0	-
Residual Fuel Oil .....	-	-	-	-	-	-	-	-	-
Miscellaneous Products .....	-	-	-	-	-	-	-	-	-
<b>Total</b> .....	<b>12,232</b>	<b>73</b>	<b>3,382</b>	<b>54,038</b>	<b>13,204</b>	<b>84,641</b>	<b>41,737</b>	<b>0</b>	<b>4,707</b>

See footnotes at end of table.

**Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, January 2017**  
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
<b>Crude Oil</b> .....	<b>0</b>	<b>18,453</b>	<b>329</b>	<b>—</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>0</b>	<b>6,968</b>	<b>6,529</b>	<b>2,181</b>	<b>0</b>	<b>0</b>
Pentanes Plus .....	0	601	966	—	0	0
Liquefied Petroleum Gases .....	0	5,126	5,563	—	0	0
Motor Gasoline Blending Components .....	0	241	0	1,356	0	0
Reformulated - RBOB .....	0	0	0	0	0	—
Conventional .....	0	241	0	1,356	0	0
CBOB .....	0	241	0	1,356	0	0
GTAB .....	—	—	—	—	—	—
Other .....	—	0	0	—	0	—
Renewable Fuels .....	—	—	—	—	—	—
Fuel Ethanol .....	—	—	—	—	—	—
Renewable Diesel Fuel <sup>1</sup> .....	—	—	—	—	—	—
Other Renewable Fuels .....	—	—	—	—	—	—
Finished Motor Gasoline .....	0	457	0	313	0	0
Reformulated .....	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—
Conventional .....	0	457	0	313	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—
Conventional Other .....	0	457	0	313	0	0
Finished Aviation Gasoline .....	—	—	—	—	—	—
Kerosene-Type Jet Fuel .....	0	0	0	50	0	0
Kerosene .....	—	—	—	—	—	—
Distillate Fuel Oil .....	0	543	0	462	0	0
15 ppm sulfur and under .....	0	536	0	462	0	0
Greater than 15 ppm to 500 ppm sulfur .....	0	0	0	—	0	—
Greater than 500 ppm sulfur .....	0	7	0	—	0	0
Residual Fuel Oil .....	—	—	—	—	—	—
Miscellaneous Products .....	—	—	—	—	—	—
<b>Total</b> .....	<b>0</b>	<b>25,421</b>	<b>6,858</b>	<b>2,181</b>	<b>0</b>	<b>0</b>

— = No Data Reported.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report."

<sup>1</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

**Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, January 2017**  
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
<b>Crude Oil</b> .....	<b>181</b>	<b>0</b>	<b>—</b>	<b>330</b>	<b>457</b>	<b>—</b>
<b>Petroleum Products</b> .....	<b>65</b>	<b>0</b>	<b>—</b>	<b>920</b>	<b>3,314</b>	<b>—</b>
Liquefied Petroleum Gases .....	—	0	—	0	0	—
Unfinished Oils .....	47	0	—	0	581	—
Motor Gasoline Blending Components .....	0	0	—	336	267	—
Reformulated - RBOB .....	—	—	—	—	—	—
Conventional .....	0	0	—	336	267	—
CBOB .....	0	0	—	336	0	—
GTAB .....	—	—	—	—	—	—
Other .....	0	0	—	—	267	—
Renewable Fuels .....	0	0	—	0	1,027	—
Fuel Ethanol .....	0	0	—	0	1,007	—
Renewable Diesel Fuel <sup>1</sup> .....	0	0	—	—	20	—
Other Renewable Fuels .....	—	—	—	—	—	—
Finished Motor Gasoline .....	0	0	—	23	248	—
Reformulated .....	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—
Conventional .....	0	0	—	23	248	—
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—
Conventional Other .....	0	0	—	23	248	—
Finished Aviation Gasoline .....	0	0	—	0	23	—
Kerosene-Type Jet Fuel .....	—	0	—	0	0	—
Kerosene .....	—	—	—	—	—	—
Distillate Fuel Oil .....	0	0	—	459	172	—
15 ppm sulfur and under .....	0	0	—	459	172	—
Greater than 15 ppm to 500 ppm sulfur .....	—	—	—	—	—	—
Greater than 500 ppm sulfur .....	—	—	—	—	—	—
Residual Fuel Oil .....	0	0	—	—	844	—
Less than 0.31 percent sulfur .....	—	—	—	—	—	—
0.31 to 1.00 percent sulfur .....	0	0	—	—	69	—
Greater than 1.00 percent sulfur .....	0	0	—	—	775	—
Petrochemical Feedstocks .....	18	0	—	0	152	—
Naphtha for Petrochemical Feedstock Use .....	0	0	—	—	82	—
Other Oils for Petrochemical Feedstock Use .....	18	0	—	0	70	—
Special Naphthas .....	0	0	—	—	0	—
Lubricants .....	0	0	—	0	0	—
Waxes .....	—	—	—	—	—	—
Asphalt and Road Oil .....	0	0	—	102	0	—
Miscellaneous Products .....	0	0	—	—	0	—
<b>Total</b> .....	<b>246</b>	<b>0</b>	<b>—</b>	<b>1,250</b>	<b>3,771</b>	<b>—</b>

See footnotes at end of table.



**Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, January 2017**  
(Thousand Barrels) — Continued

Commodity	From 3 to						From 5 to		
	1	New England	Central Atlantic	Lower Atlantic	2	5	1	2	3
<b>Crude Oil</b> .....	<b>911</b>	—	<b>911</b>	—	<b>75</b>	—	<b>0</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>16,586</b>	—	<b>344</b>	<b>16,242</b>	<b>1,268</b>	—	<b>0</b>	<b>0</b>	<b>0</b>
Liquefied Petroleum Gases .....	58	—	—	58	—	—	0	—	0
Unfinished Oils .....	0	—	—	—	206	—	0	0	0
Motor Gasoline Blending Components .....	8,584	—	—	8,584	212	—	0	0	0
Reformulated - RBOB .....	—	—	—	—	—	—	—	—	—
Conventional .....	8,584	—	—	8,584	212	—	0	0	0
CBOB .....	8,584	—	—	8,584	0	—	0	0	0
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	—	—	—	—	212	—	—	0	0
Renewable Fuels .....	125	—	—	125	0	—	0	0	0
Fuel Ethanol .....	125	—	—	125	0	—	0	0	0
Renewable Diesel Fuel <sup>1</sup> .....	—	—	—	—	0	—	—	0	0
Other Renewable Fuels .....	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline .....	1,736	—	—	1,736	82	—	0	0	0
Reformulated .....	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	1,736	—	—	1,736	82	—	0	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	1,736	—	—	1,736	82	—	0	0	0
Finished Aviation Gasoline .....	929	—	—	929	132	—	0	0	0
Kerosene-Type Jet Fuel .....	1,561	—	—	1,561	—	—	0	—	0
Kerosene .....	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil .....	2,781	—	—	2,781	264	—	0	0	0
15 ppm sulfur and under .....	2,781	—	—	2,781	264	—	0	0	0
Greater than 15 ppm to 500 ppm sulfur .....	—	—	—	—	—	—	—	—	—
Greater than 500 ppm sulfur .....	—	—	—	—	—	—	—	—	—
Residual Fuel Oil .....	—	—	—	—	0	—	—	0	0
Less than 0.31 percent sulfur .....	—	—	—	—	—	—	—	—	—
0.31 to 1.00 percent sulfur .....	—	—	—	—	0	—	—	0	0
Greater than 1.00 percent sulfur .....	—	—	—	—	0	—	—	0	0
Petrochemical Feedstocks .....	0	—	—	—	0	—	0	0	0
Naphtha for Petrochemical Feedstock Use .....	—	—	—	—	0	—	—	0	0
Other Oils for Petrochemical Feedstock Use .....	0	—	—	—	0	—	0	0	0
Special Naphthas .....	—	—	—	—	44	—	—	0	0
Lubricants .....	531	—	344	187	196	—	0	0	0
Waxes .....	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil .....	281	—	—	281	112	—	0	0	0
Miscellaneous Products .....	—	—	—	—	20	—	—	0	0
<b>Total</b> .....	<b>17,497</b>	—	<b>1,255</b>	<b>16,242</b>	<b>1,343</b>	—	<b>0</b>	<b>0</b>	<b>0</b>

— = No Data Reported.

Sources: Energy Information Administration (EIA) Form EIA-817, "Monthly Tanker and Barge Movements Report."

<sup>1</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

**Table 60. Movements of Crude Oil and Selected Products by Rail Between PAD Districts, January 2017**  
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil .....	0	0	0	0	4,257	422	0	4,694
Propane .....	52	620	0	0	669	821	0	172
Propylene .....	0	0	–	–	392	606	–	–
Normal Butane .....	44	23	0	0	500	32	0	323
Isobutane .....	149	27	0	0	137	53	0	69
Fuel Ethanol .....	0	0	0	0	9,398	5,823	285	4,232
Biodiesel .....	0	0	0	0	192	219	19	135

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil .....	0	0	0	170	0	0	587	0
Propane .....	117	272	0	0	0	0	0	91
Propylene .....	0	0	–	–	0	0	0	–
Normal Butane .....	158	150	0	230	0	0	0	302
Isobutane .....	19	54	0	55	0	0	0	61
Fuel Ethanol .....	0	0	0	183	0	0	0	0
Biodiesel .....	0	0	0	37	0	0	0	0

Commodity	From 5 to			
	1	2	3	4
Crude Oil .....	0	0	0	0
Propane .....	0	0	0	0
Propylene .....	0	0	0	–
Normal Butane .....	0	0	0	0
Isobutane .....	0	0	0	0
Fuel Ethanol .....	0	0	0	0
Biodiesel .....	0	0	0	0

– = No Data Reported.

Source: Rail Movements are estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 61. Movements of Crude Oil by Pipeline, Tanker, Barge and Rail between PAD Districts, January 2017**  
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
<b>From 1 to</b>				
2 .....	85	181	0	266
3 .....	73	0	0	73
4 .....	0	—	0	0
5 .....	—	—	0	0
<b>From 2 to</b>				
1 .....	208	330	4,257	4,795
3 .....	35,086	457	422	35,965
4 .....	7,484	—	0	7,484
5 .....	—	—	4,694	4,694
<b>From 3 to</b>				
1 .....	184	911	0	1,095
2 .....	23,468	75	0	23,543
4 .....	0	—	0	0
5 .....	—	—	170	170
<b>From 4 to</b>				
1 .....	0	0	0	0
2 .....	18,453	0	0	18,453
3 .....	329	0	587	916
5 .....	—	—	0	0
<b>From 5 to</b>				
1 .....	0	0	0	0
2 .....	0	0	0	0
3 .....	0	0	0	0
4 .....	0	—	0	0

— = No Data Reported.

Sources: Energy Information Administration (EIA) Forms EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail Between PAD Districts, January 2017**  
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
<b>Crude Oil</b>	<b>5,890</b>	<b>339</b>	<b>5,551</b>	<b>42,262</b>	<b>52,938</b>	<b>-10,676</b>	<b>36,954</b>	<b>24,808</b>	<b>12,145</b>
<b>Petroleum Products</b>	<b>116,720</b>	<b>13,127</b>	<b>103,593</b>	<b>39,438</b>	<b>56,158</b>	<b>-16,720</b>	<b>37,019</b>	<b>126,563</b>	<b>-89,544</b>
Pentanes Plus	0	10	-10	6,305	1,092	5,213	1,804	5,694	-3,890
Liquefied Petroleum Gases	5,140	4,845	295	13,101	23,551	-10,450	23,381	6,459	16,922
Ethane/Ethylene	45	3,867	-3,822	5,759	8,681	-2,922	9,561	477	9,084
Propane/Propylene	4,281	717	3,564	4,364	11,883	-7,519	11,231	4,124	7,107
Normal Butane/Butylene	658	72	586	1,713	2,108	-395	1,587	1,104	483
Isobutane/Isobutylene	156	189	-33	1,265	879	386	1,002	754	248
Unfinished Oils	0	47	-47	253	581	-328	581	206	375
Motor Gasoline Blending Components	51,362	5,699	45,663	11,679	3,939	7,740	1,645	59,666	-58,021
Reformulated - RBOB	8,116	0	8,116	1,662	376	1,286	376	12,207	-11,831
Conventional	43,246	5,699	37,547	10,017	3,563	6,454	1,269	47,459	-46,190
CBOB	43,246	5,699	37,547	9,092	3,296	5,796	1,002	46,534	-45,532
GTAB	0	0	-	-	-	-	0	0	-
Other	0	0	-	925	267	658	267	925	-658
Renewable Fuels	9,716	0	9,716	0	21,331	-21,331	7,069	346	6,723
Fuel Ethanol	9,523	0	9,523	0	20,745	-20,745	6,830	308	6,521
Renewable Diesel Fuel <sup>1</sup>	192	0	192	0	586	-586	239	37	202
Other Renewable Fuels	-	-	-	-	-	-	0	0	-
Finished Motor Gasoline	7,072	79	6,993	1,084	1,205	-121	353	6,999	-6,646
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	7,072	79	6,993	1,084	1,205	-121	353	6,999	-6,646
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-	0	0	-
Greater than Ed55	0	0	-	0	0	-	0	0	-
Conventional Other	7,072	79	6,993	1,084	1,205	-121	353	6,999	-6,646
Finished Aviation Gasoline	929	0	929	132	23	109	23	1,061	-1,038
Kerosene-Type Jet Fuel	13,014	211	12,803	1,608	866	742	18	14,530	-14,512
Kerosene	0	0	-	0	0	-	0	0	-
Distillate Fuel Oil	28,573	2,218	26,355	4,886	2,472	2,414	1,149	30,418	-29,269
15 ppm sulfur and under	26,096	2,218	23,878	4,814	2,437	2,377	1,149	27,876	-26,727
Greater than 15 ppm to 500 ppm sulfur	90	0	90	65	0	65	0	155	-155
Greater than 500 ppm sulfur	2,387	0	2,387	7	35	-28	0	2,387	-2,387
Residual Fuel Oil	0	0	-	0	844	-844	844	0	844
Petrochemical Feedstocks	0	18	-18	18	152	-134	152	0	152
Naphtha for Petrochemical Feedstock Use	0	0	-	0	82	-82	82	0	82
Other Oils for Petrochemical Feedstock Use	0	18	-18	18	70	-52	70	0	70
Special Naphthas	0	0	-	44	0	44	0	44	-44
Lubricants	531	0	531	196	0	196	0	727	-727
Waxes	0	0	-	0	0	-	0	0	-
Asphalt and Road Oil	383	0	383	112	102	10	0	393	-393
Miscellaneous Products	0	0	-	20	0	20	0	20	-20
<b>Total</b>	<b>122,610</b>	<b>13,466</b>	<b>109,144</b>	<b>81,700</b>	<b>109,096</b>	<b>-27,396</b>	<b>73,973</b>	<b>151,371</b>	<b>-77,398</b>

See footnotes at end of table.

**Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail Between PAD Districts, January 2017**  
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
<b>Crude Oil</b> .....	<b>7,484</b>	<b>19,369</b>	<b>-11,885</b>	<b>4,864</b>	<b>0</b>	<b>4,864</b>
<b>Petroleum Products</b> .....	<b>6,024</b>	<b>16,132</b>	<b>-10,108</b>	<b>12,779</b>	<b>0</b>	<b>12,779</b>
Pentanes Plus .....	254	1,567	-1,313	0	0	—
Liquefied Petroleum Gases .....	3,073	11,143	-8,070	1,303	0	1,303
Ethane/Ethylene .....	862	3,202	-2,340	0	0	—
Propane/Propylene .....	1,441	4,856	-3,415	263	0	263
Normal Butane/Butylene .....	565	2,094	-1,529	855	0	855
Isobutane/Isobutylene .....	205	991	-786	185	0	185
Unfinished Oils .....	0	0	—	0	0	—
Motor Gasoline Blending Components .....	1,071	1,597	-526	5,144	0	5,144
Reformulated - RBOB .....	—	—	—	2,429	0	2,429
Conventional .....	1,071	1,597	-526	2,715	0	2,715
CBOB .....	1,071	1,597	-526	2,715	0	2,715
GTAB .....	—	—	—	—	—	—
Other .....	0	0	—	0	0	—
Renewable Fuels .....	304	0	304	4,588	0	4,588
Fuel Ethanol .....	285	0	285	4,416	0	4,416
Renewable Diesel Fuel <sup>1</sup> .....	19	0	19	172	0	172
Other Renewable Fuels .....	—	—	—	0	0	—
Finished Motor Gasoline .....	231	770	-539	313	0	313
Reformulated .....	—	—	—	0	0	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	0	0	—
Reformulated Other .....	—	—	—	—	—	—
Conventional .....	231	770	-539	313	0	313
Conventional Blended with Fuel Ethanol .....	0	0	—	0	0	—
Ed55 and Lower .....	0	0	—	0	0	—
Greater than Ed55 .....	0	0	—	0	0	—
Conventional Other .....	231	770	-539	313	0	313
Finished Aviation Gasoline .....	0	0	—	0	0	—
Kerosene-Type Jet Fuel .....	730	50	680	287	0	287
Kerosene .....	0	0	—	0	0	—
Distillate Fuel Oil .....	361	1,005	-644	1,144	0	1,144
15 ppm sulfur and under .....	326	998	-672	1,144	0	1,144
Greater than 15 ppm to 500 ppm sulfur .....	0	0	—	0	0	—
Greater than 500 ppm sulfur .....	35	7	28	0	0	—
Residual Fuel Oil .....	0	0	—	0	0	—
Petrochemical Feedstocks .....	—	—	—	0	0	—
Naphtha for Petrochemical Feedstock Use .....	—	—	—	0	0	—
Other Oils for Petrochemical Feedstock Use .....	—	—	—	—	—	—
Special Naphthas .....	—	—	—	0	0	—
Lubricants .....	0	0	—	0	0	—
Waxes .....	0	0	—	0	0	—
Asphalt and Road Oil .....	0	0	—	0	0	—
Miscellaneous Products .....	0	0	—	0	0	—
<b>Total</b> .....	<b>13,508</b>	<b>35,500</b>	<b>-21,992</b>	<b>17,643</b>	<b>0</b>	<b>17,643</b>

— = No Data Reported.

Movements of crude oil, fuel ethanol and biodiesel include movements by rail. Movements of other products are by pipeline, tanker and barge only.

<sup>1</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

## Appendix A

# District Descriptions and Maps

The following are the Refining Districts which make up the Petroleum Administration for Defense (PAD) Districts.

### PAD District I

**East Coast:** The District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung, and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

**Appalachian No. 1:** The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

### Sub-PAD District I

**New England:** The States of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

**Central Atlantic:** The District of Columbia and the States of Delaware, Maryland, New Jersey, New York, and Pennsylvania.

**Lower Atlantic:** The States of Florida, Georgia, North Carolina, South Carolina, Virginia and West Virginia.

### PAD District II

**Indiana-Illinois-Kentucky:** The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and Ohio.

**Minnesota-Wisconsin-North and South Dakota:** The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

**Oklahoma-Kansas-Missouri:** The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

### PAD District III

**Texas Inland:** The State of Texas except the Texas Gulf Coast District.

**Texas Gulf Coast:** The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

**Louisiana Gulf Coast:** The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

**North Louisiana-Arkansas:** The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

**New Mexico:** The State of New Mexico.

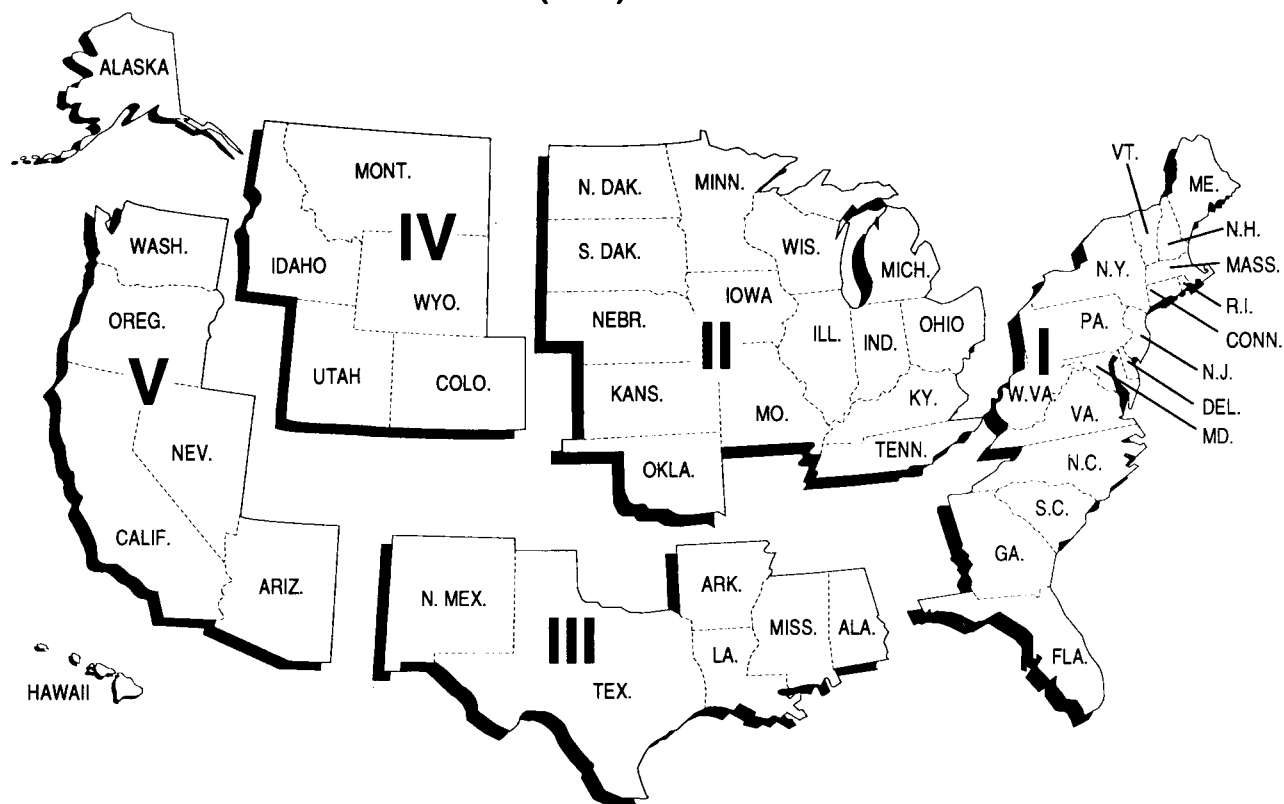
### PAD District IV

**Rocky Mountain:** The States of Montana, Idaho, Wyoming, Utah, and Colorado.

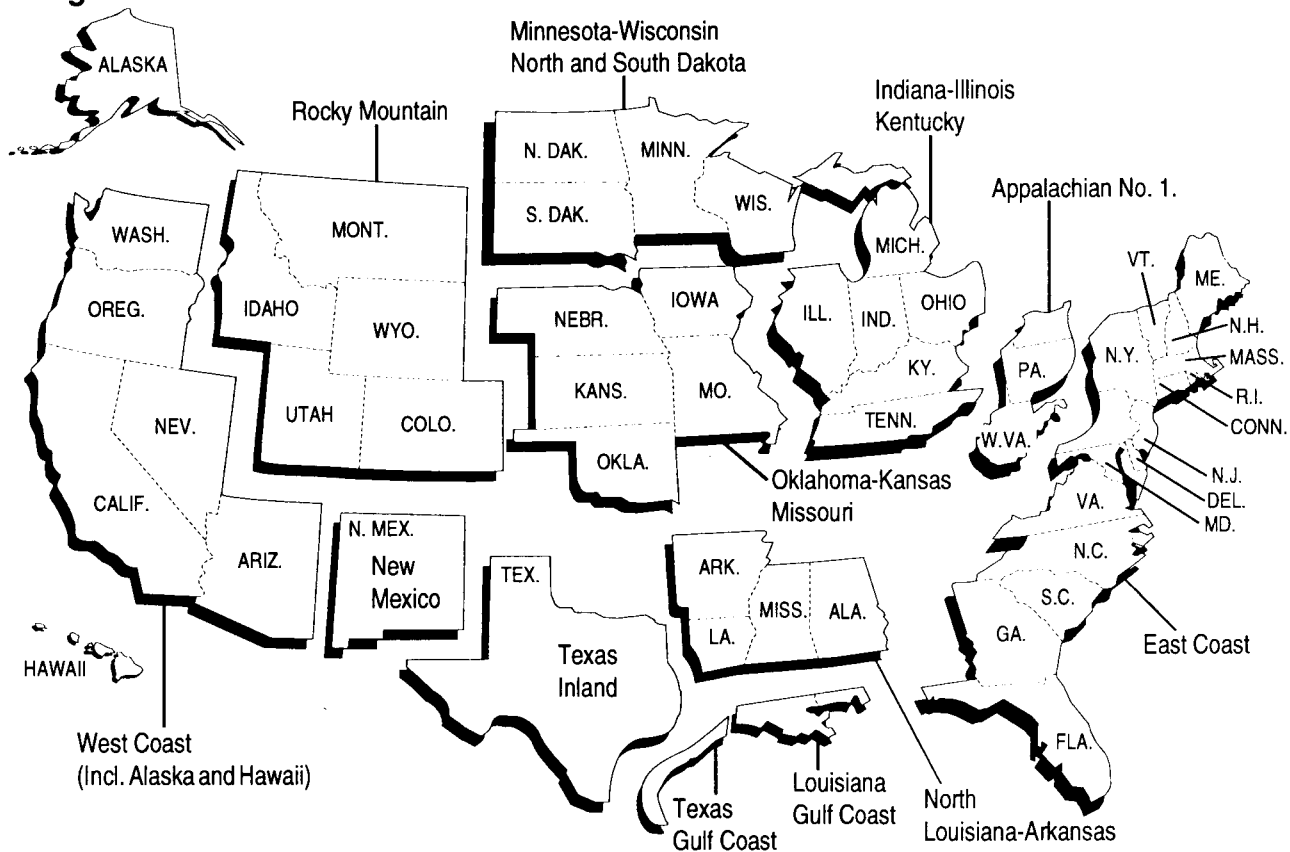
### PAD District V

**West Coast:** The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

## Petroleum Administration for Defense (PAD) Districts



## Refining Districts



## PSM Explanatory Notes

### Preface

The *Petroleum Supply Monthly (PSM)* is the monthly component of a series of three publications concerning the supply and disposition of crude oil and petroleum products produced by the Petroleum Division of the Energy Information Administration (EIA). The other two components are the *Weekly Petroleum Status Report (WPSR)* and the *Petroleum Supply Annual (PSA)*. Together these publications present a comprehensive snapshot of petroleum supply data on a weekly, monthly and yearly basis.

Data presented in the PSM describe the supply and disposition of petroleum products in the United States and major U.S. geographic regions. The data series describe production, imports and exports, inter-Petroleum Administration for Defense (PAD) District movements, and inventories by the primary suppliers of petroleum products in the United States (50 States and the District of Columbia). The reporting universe includes those petroleum sectors in primary supply: petroleum refiners, motor gasoline blenders, operators of natural gas processing plants and fractionators, inter-PAD District transporters, importers, and major inventory holders of petroleum products and crude oil. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

The PSM tables present statistics for the most current month available as well as year-to-date. In most cases, the statistics are presented for several geographic areas - the United States (50 States and the District of Columbia), five PAD Districts, and 12 Refining Districts. At the U.S. and PAD District level, the total volume and the daily rate of activities are presented. The statistics are developed from monthly survey forms submitted by respondents to the EIA and from data provided from other sources.

Final statistics for the data series published in the *PSM* are published in the *PSA*. The *PSA* is published approximately five months after the end of the report year.



## Appendix B. Explanatory Notes

### 1. Overview

#### A. The Energy Information Administration's Quality Guidelines

The data contained in the *Petroleum Supply Monthly (PSM)* are subject to separate information quality guidelines issued by the Office of Management and Budget (OMB), the Department of Energy (DOE), and Energy Information Administration (EIA). With available resources, EIA continually works to improve its systems in order to provide high quality information needed by public and private policymakers and decision makers. EIA has performance standards to ensure the quality (i.e., objectivity, utility, and integrity) of information it disseminates to the public. Quality is ensured and maximized at levels appropriate to the nature and timeliness of the disseminated information.

#### B. Concepts of Product Supply and Demand

Petroleum supply estimates contained in the PSM are often interpreted as an approximation of petroleum demand measured as product supplied. Product supplied is often called “implied” demand because it is a measure of demand that is implied by disappearance of petroleum products from facilities and activities in the “primary” supply chain. Facilities and activities in the primary supply chain include refineries and blending terminals, gas processing plants and fractionators, oxygenate producers, biodiesel producers, imports, exports, bulk storage terminals, and pipelines. Total product supplied in the PSM at the U.S. level is equal to the sum of field production, plus refinery and blender net production, plus renewable fuels, and oxygenate plant net production, plus imports, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports. Net receipts are added as a component of supply at the PAD District level. Crude oil product supplied is normally zero because crude oil is processed in refineries and rarely, if ever, used directly.

The secondary system is that portion of the overall distribution network that falls between producers and end-users. Product typically flows in bulk from the primary supply system into the secondary system before delivery in small quantities to consumers (the tertiary system). The secondary system includes storage at bulk plants; at retail motor fuel outlets, such as service stations, truck stops, and convenience stores; and at retail fuel oil dealers. Bulk plants are wholesale storage facilities that have less than 50,000 barrels of storage capacity and, by definition, receive product only by tank car or truck, not by barge, tanker, or pipeline. Tertiary inventories are held by end users and include fuel in vehicle tanks, heating oil in residential tanks, fuel oil held by utilities, jet fuel stored in facilities operated by end users, and certain proprietary storage of raw materials (e.g. propane) for the chemical industry.

Data users sometimes consider demand as sales to the ultimate consumer or as the actual consumption of the product. Since there may be time delays between the movement of product into the primary market and its ultimate purchase or consumption, these definitions of demand require data on changes in secondary and/or tertiary stocks or the assumption that these values either remain constant or are small

compared to primary supply. The most recent study of secondary stocks was done by the National Petroleum Council in 1989. This study revealed that secondary distillate stocks were equal to about 6.9 percent of distillate stocks and 6.7 percent of distillate storage capacity.

#### C. Components of Supply and Disposition

The detailed statistics tables in the PSM provide complete supply and disposition information for the current month and year to date. The tables are organized to locate National and Petroleum Administration for Defense (PAD) District supply and disposition data at the front followed by tables that contain detailed information on supply and disposition. These include tables on crude oil and petroleum product production, import/export data, stocks information, and lastly, data on crude oil and petroleum product movements. To assist in the interpretation of these tables, the following discussion of supply, disposition, and ending stocks as shown in Tables 1– 25 is provided. The categories and products are defined in the EIA Glossary.

##### (1.) Supply

a. Field Production - Total Field Production is the sum of crude oil production and natural gas plant liquids and liquefied refinery gases production.

Crude oil production is an estimate based on data received from State conservation agencies and the Mineral Management Service of the U.S. Department of the Interior. Refer to “Domestic Crude Oil Production” in Section 2C (1) for further details.

Field production of natural gas plant liquids is reported on Form EIA-816 and published on a net basis (i.e., production minus inputs).

b. Renewable Fuels and Oxygenate Plant Net Production - Renewable Fuels and Oxygenate Plant Net Production are reported on Forms EIA-819 and EIA-22M. Production includes oxygenates (fuel ethanol, ETBE, MTBE, and other oxygenates) plus negative production of pentanes plus, finished motor gasoline, and motor gasoline blending components added to fuel ethanol as denaturants as well as biodiesel. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reported as input during the same month.

c. Refinery and Blender Net Production – Refinery and Blender Net Production is reported on Form EIA-810 and EIA-815. Refinery and Blender Net Production equals refinery and blenders production minus refinery and blender net inputs. Negative production of finished petroleum products will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the

same month.

d. Imports - Imports include receipts of goods into the 50 States and the District of Columbia from U.S. possessions and territories or from foreign countries.

e. Net Receipts – Net Receipts data are included in tables containing PAD District-level data to account for inter-PAD District movements of crude oil and petroleum products. Net receipts for a PAD District are calculated by subtracting shipments out of the PAD District from receipts into the PAD District. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge, and Rail between PAD Districts are shown in Table 60.

f. Adjustments – This column includes adjustment quantities for crude oil, fuel ethanol, motor gasoline blending components, biodiesel (included in “Renewable Fuels Except Fuel Ethanol”) and distillate fuel oil. Adjustment quantities are derived either to balance supply and disposition for selected products or to reclassify one product to another product. Product supplied is the balancing item for most products and is interpreted as an implied measure of petroleum demand. Adjustments are used in cases where it does not make sense to interpret the balancing item as demand. Reclassifications reported in the adjustments column may be implied by the supply and disposition balance or reported on surveys. Recall that supply at the U.S. level is equal to the sum of field production, renewable fuels and oxygenate plant net production, refinery and blender net production, imports, and adjustments. Disposition at the U.S. level is equal to the sum of stock change, refinery and blender net inputs, exports, and products supplied. At the PAD District level, supply components include net receipts equal to gross receipts from other PAD Districts minus gross shipments to other PAD Districts. In every case, supply must equal disposition. Applicable components of supply and disposition vary depending on the product or product group. Unless otherwise noted in Section 2C, adjustment calculations that balance supply and disposition equal disposition minus supply for the U.S. and for each PAD District.

## (2.) Disposition

a. Stock Change – Stock Change is calculated as the difference between the current month Ending Stocks column and the Ending Stocks column in the prior month’s publication. A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

b. Refinery and Blender Net Inputs – Refinery and Blender Net Inputs are inputs of crude oil and intermediate materials (unfinished oils, motor and aviation gasoline blending components, liquefied petroleum gases, pentanes plus, hydrogen, oxygenates, renewable fuels, and other hydrocarbons) that are processed at refineries or blended at terminals to produce finished petroleum products.

Crude oil input represents total crude oil (domestic and foreign) input to atmospheric crude oil distillation units and other refinery processing units (e.g. vacuum distillation units).

Inputs of natural gas plant liquids are refinery input of natural gas liquids received from natural gas plants for blending and processing. Published inputs of natural gas plant liquids are reported on a gross basis.

Inputs of unfinished oils, motor gasoline blending components, and aviation gasoline blending components are published on a net basis (i.e., refinery input minus refinery production). Negative inputs of unfinished oils and motor and aviation gasoline blending components will occur when the amount of a product produced during the month is greater than the amount of that same product that is input or reclassified to become another product during the same month.

c. Exports - Exports include shipments from the 50 States and the District of Columbia to Puerto Rico, the Virgin Islands, other U.S. possessions and territories and to foreign countries.

d. Products Supplied - Products supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, (plus net receipts on a PAD District basis), plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Product supplied value indicates those quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of the product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported; (2) data were misreported or reported late; (3) in the case of calculations on a PAD District basis, the figure for net receipts was inaccurate because the coverage of inter-PAD movements was incomplete; and (4) products such as gasoline blending components and unfinished oils have entered the primary supply channels with their production not having been reported, e.g., streams returned to refineries from petrochemical plants.

Beginning with data for January 2010, product supplied for crude oil is assumed equal to zero. Prior to January 1983, crude oil burned on leases and by pipelines as fuel was reported as either distillate or residual fuel oil and was included in product supplied for these products. From January 1983 through December 2009, crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report.” Reporting of crude oil used directly was discontinued on Form EIA-813 after December 2009.

## (3.) Ending Stocks

Ending stocks are primary stocks of crude oil and petroleum products held in storage as of 12 midnight on the last day of the month. Primary stocks include crude oil or petroleum products held in storage at refineries, natural gas processing plants, pipelines, tank farms, and bulk terminals.

Crude oil that is in-transit by water from Alaska and crude oil stored in the Strategic Petroleum Reserve is included. Primary

Crude oil that is in-transit by water from Alaska and crude oil stored in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage. Primary stocks of petroleum products also exclude secondary stocks held by dealers and jobbers and tertiary stocks held by consumers. Product stocks held as reserves by federal and state agencies are excluded from primary stock quantities reported by EIA, but quantities held in selected government reserves are provided in Appendix D.

Primary stocks of crude oil included barrels held on producing sites (lease stocks) until June 2016. Primary stocks of crude oil excluded lease stocks beginning with release of PSM data for July 2016 on September 30, 2016. Historical crude oil stocks in Petroleum Navigator were revised beginning with data for January 2005 to exclude lease stocks. Petroleum Navigator data may be accessed from the following locations on the EIA web site.

[http://www.eia.gov/dnav/pet/pet\\_sum\\_snd\\_d\\_nus\\_mbbbl\\_m\\_cur.htm](http://www.eia.gov/dnav/pet/pet_sum_snd_d_nus_mbbbl_m_cur.htm)  
[http://www.eia.gov/dnav/pet/pet\\_sum\\_crdsnd\\_k\\_m.htm](http://www.eia.gov/dnav/pet/pet_sum_crdsnd_k_m.htm)  
[http://www.eia.gov/dnav/pet/pet\\_stoc\\_typ\\_c\\_nus\\_EPC0\\_mbbbl\\_m.htm](http://www.eia.gov/dnav/pet/pet_stoc_typ_c_nus_EPC0_mbbbl_m.htm)

## 2. Components - Forms Discussions

The data presented in the PSM include data collected by the EIA on nine monthly petroleum supply surveys, export data obtained from the U. S. Bureau of the Census, and crude production data obtained from State conservation agencies and the Minerals Management Service of the U. S. Department of Interior.

### A. Petroleum Supply Reporting System

The nine monthly petroleum supply surveys are part of the Petroleum Supply Reporting System (PSRS). The PSRS tracks the supply and disposition of crude oil, petroleum products, and natural gas liquids in the United States. The PSRS is organized into two data collection subsystems: the Weekly Petroleum Supply Reporting System (WPSRS) and the Monthly Petroleum Supply Reporting System (MPSRS). The WPSRS processes the data from the seven weekly surveys. The MPSRS includes nine monthly surveys and one annual survey. The survey forms that comprise the PSRS are:

1. EIA-800, "Weekly Refinery Report,"
2. EIA-802, "Weekly Product Pipeline Report,"
3. EIA-803, "Weekly Crude Oil Stocks Report,"
4. EIA-804, "Weekly Imports Report,"
5. EIA-805, "Weekly Terminal Blender Report,"
6. EIA-809, "Weekly Oxygenate Report,"
8. EIA-22M, "Monthly Biodiesel Production Survey,"
9. EIA-810, "Monthly Refinery Report,"
10. EIA-812, "Monthly Product Pipeline Report,"
11. EIA-813, "Monthly Crude Oil Report,"
12. EIA-814, "Monthly Imports Report,"
13. EIA-815, "Monthly Terminal Blender Report,"
14. EIA-816, "Monthly Natural Gas Liquids Report"
15. EIA-817, "Monthly Tanker and Barge Movement Report"
16. EIA-819, "Monthly Oxygenate Report"

### 17. EIA-820, "Annual Refinery Report."

Both weekly and monthly surveys are administered at six key points along the petroleum production and supply chain including refineries, fractionators, natural gas processing plants, bulk product storage and blending terminals, crude oil and product pipelines, crude oil stock holders, importers, and renewable fuel (biodiesel and fuel ethanol) and oxygenate producing plants. Monthly surveys also include inter-PAD District movements by pipelines, tankers, and barges. Weekly surveys do not capture petroleum movements. Respondents reporting on weekly surveys are sampled from among the respondents reporting on monthly surveys.

Annual U.S. refinery capacity data are collected on the Form EIA-820, "Annual Refinery Report." The EIA-820 data are published in the annual "Refinery Capacity Report."

### B. Monthly Supply Survey Description and Methodology

#### (1.) Description of Surveys Forms

Copies of the survey forms and instructions can be found at: [http://www.eia.doe.gov/oil\\_gas/petroleum/survey\\_forms/pet\\_survey\\_forms.html](http://www.eia.doe.gov/oil_gas/petroleum/survey_forms/pet_survey_forms.html)

The Form EIA-22M "Monthly Biodiesel Production Survey" collects data on biodiesel plant location, operating status, annual production capacity, monthly biodiesel and co-product production, stocks, input of feedstocks, alcohol, and catalysts, and biodiesel sales.

The Form EIA-810, "Monthly Refinery Report," collects data on refinery input and capacity, sulfur content and API gravity of crude oil, and data on supply (beginning stocks, receipts, and production) and disposition (inputs, shipments, fuel use and losses, and ending stocks) of crude oil and refined products. Working and shell storage capacity for selected products is collected on a semi-annual basis.

The Form EIA-812, "Monthly Product Pipeline Report," collects data on end-of-month stocks and movements of petroleum products transported by pipeline. Intermediate movements for pipeline systems operating in more than two PAD Districts are included. Product pipeline tank storage capacity for selected products is collected on a semi-annual basis.

The Form EIA-813, "Monthly Crude Oil Report," collects data on end-of-month stock levels of crude oil held at pipeline and tank farms (associated with the pipelines) and terminals operated by the reporting company. Also, crude oil consumed by pipelines and on leases as pump fuel, boiler fuel, etc., is reported. Data are reported on a PAD District basis. Total Alaskan crude oil stocks in-transit by water (including stocks held at transshipment terminals between Alaska and the continental United States) to the 50 States, the District of Columbia, Puerto Rico, and the Virgin Islands are also reported by the transporting company having custody of the stocks. Inter-PAD District movements of crude oil by pipeline are collected by the shipping and receiving PAD District. Intermediate movements for pipeline systems operating in more than two PAD Districts

are not included. Crude oil storage capacity of tank farms is collected on a semi-annual basis.

The Form EIA-814, “Monthly Imports Report,” collects data on imports of crude oil and petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands, and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), and (3) from Puerto Rico, the Virgin Islands, and other U.S. possessions into the 50 States and the District of Columbia. Imports into Foreign Trade Zones located in the 50 States and the District of Columbia are considered imports into the 50 States and the District of Columbia. The type of commodity, port of entry, country of origin, quantity (thousand barrels), sulfur percent by weight, API gravity, and name and location of the processing or storage facility are reported. Sulfur percent by weight is requested for crude oil, crude oil burned as fuel, and residual fuel oil only. API gravity is requested for crude oil only. The name and location of the processing or storage facility is requested for crude oil, unfinished oils, and gasoline blending components only.

The Form EIA-815, “Monthly Terminal Blender Report,” collects data on the operations of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and fuel use and losses during the month are collected from operators of terminals. Working and shell storage capacity is collected on a semi-annual basis.

The Form EIA-816, “Monthly Natural Gas Liquids Report,” collects data on the operations of natural gas processing plants and fractionators. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and plant fuel use and losses during the month are collected from operators of natural gas processing plants. End-of-month stocks are collected from fractionators.

The Form EIA-817, “Monthly Tanker and Barge Movement Report,” collects data on the movements of crude oil and petroleum products between PAD Districts. Data are reported by shipping and receiving PAD District and sub-PAD District. Shipments to and from the Panama Canal are also included if the shipment was delivered to the Canal.

The Form EIA-819, “Monthly Oxygenate Report” collects facility-level data on oxygenate inputs, production, gasoline blending at ethanol plants, and end-of-month stocks. Data on end-of-month stocks are reported on a custody basis regardless of ownership. Fuel ethanol storage capacity is collected on a semi-annual basis.

## (2.) Frame

EIA maintains complete lists of respondents to its monthly surveys. Each survey has a list of companies and facilities required to submit petroleum activity data. This list is known as the survey frame. Frame maintenance procedures are used to monitor the status of petroleum companies and facilities

currently contained in each survey frame as well as to identify new members to be added to the frame. As a result, all known petroleum supply organizations falling within the definition of “Who Must Submit” participate in the survey.

The activities for frames maintenance are conducted on an ongoing basis. Monthly frames maintenance procedures focus on examining industry periodicals that report changes in status (births, deaths, sales, mergers, and acquisitions) of petroleum facilities producing, transporting, importing, and/or storing crude oil and petroleum products. Augmenting these sources are articles in newspapers, notices from respondents, and information received from survey systems operated by other offices. Survey managers review these sources regularly to monitor changes in company operations and to develop lists of potential respondents. These activities assure coverage of the reporting universe and maintain accurate facility information on addresses and ownership.

Respondents to Form EIA-22M “Monthly Biodiesel Production Survey” include operators of plants that produce biodiesel meeting ASTM D 6751-07B specifications and used for commercial purposes.

Respondents to Form EIA-810, “Monthly Refinery Report” include operators of all operating and idle petroleum refineries located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam and other U.S. possessions.

Respondents to Form EIA-812, “Monthly Product Pipeline Report” include all product pipeline companies that carry petroleum products (including interstate, intrastate, and intra-company pipelines) in the 50 States and the District of Columbia.

Respondents to Form EIA-813, “Monthly Crude Oil Report” include all companies which carry or store 1,000 barrels or more of crude oil. Included in this survey are gathering and trunk pipeline companies (including interstate, intrastate, and intra-company pipelines), crude oil tank farm operators, and companies transporting Alaskan crude oil by water (to U.S. ports) in the 50 States and the District of Columbia.

Respondents to Form EIA-814, “Monthly Imports Report” include each importer of record (or Ultimate consignee in some situations regarding Canadian imports) that import crude oil or petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), (3) into Foreign Trade Zones located in the 50 States and the District of Columbia and (4) from Puerto Rico, the Virgin Islands and other U.S. possessions into the 50 States and the District of Columbia. A report is required only if there has been an import during the month unless the importer has been selected as part of a sample to report every month regardless of activity.

Respondents to Form EIA-815, “Monthly Terminal Blender Report” include operators of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands,

Guam, and other U. S. possessions must report. A bulk terminal is primarily used for storage, marketing, and often blending of petroleum products and has a total bulk storage capacity of 50,000 barrels or more, and/or receives petroleum products by tanker, barge, or pipeline. Bulk terminal facilities associated with a product pipeline are included.

Respondents to Form EIA-816, "Monthly Natural Gas Liquids Report" include operators of all facilities that extract liquid hydrocarbons from a natural gas stream (natural gas processing plant) and/or separate a liquid hydrocarbon stream into its component products (fractionator).

Respondents to Form EIA-817, "Monthly Tanker and Barge Movement Report" include all companies that have custody of crude oil or petroleum products transported by tanker or barge between Petroleum Administration for Defense Districts and all companies that have custody of crude oil or petroleum products originating from a PAD District and transported to the Panama Canal with the intent that the crude oil or petroleum products be further transported to another PAD District.

For purposes of this report, custody is defined as physical possession of crude oil or petroleum products on a company-owned tanker or barge. Also, companies that lease vessels or contract for the movement of crude oil or petroleum products on a tanker or barge between PAD Districts are considered to have custody.

Respondents to Form EIA-819, "Monthly Oxygenate Report" include all operators of facilities that produce (manufacture or distill) oxygenates (including MTBE plants, petrochemical plants, and refineries that produce oxygenates as part of their operations located in the 50 States and the District of Columbia.)

### (3.) Collection

Survey data for the MPSRS are collected by facsimile, email, Internet using secure file transfer, and electronic transmission. All respondents must submit their data by the 20th calendar day following the end of the report month. Receipt of the reports is monitored using an automated respondent mailing list. Telephone follow-up calls are made to nonrespondents prior to the publication deadline. Respondents who are chronically late (i.e., 3 consecutive months) are notified by EIA by certified letter.

### (4.) Processing and Micro Editing

Upon receipt, all reported data are transformed into a standard format and sent through a log-in and prescreening process to validate respondent control information and resolve any discrepancies. The data are then processed using generalized edit and imputation procedures. Automated editing procedures check current data for consistency with past data and for internal consistency (e.g., totals equal to the sums of the parts). After the edit failures are resolved and imputation performed for nonrespondents, preliminary tables are produced and used to identify anomalies. These tables show U.S. and PAD District estimates for the current month and the prior 4 years. Anomalies

result in further review of respondent data which in turn may result in additional flagged data and imputation.

### (5.) Estimation and Imputation

The nine monthly supply surveys are census surveys. As such, the estimates using these data are the sum of the edited, reported data. Imputation is performed for companies that fail to file Forms EIA-22M, 810, 812, 813, 815, 816, and 819. For these companies, previous monthly values and values reported on the weekly survey forms are used if available. Data for nonrespondents to the Forms EIA-814 and 817 are not imputed because respondent-level data for these surveys are highly variable.

Adjustments are made to aggregate data from time to time. For example, unusual industry conditions, including fuel transitions, business practice shifts, or hurricane dislocations, may generate reporting anomalies and require adjustments. Measurement error and frame deficiencies may occasionally result in inconsistencies when individual respondent data are aggregated to publication levels and require adjustment. Monthly supply data are reviewed throughout the year and some estimates may be replaced with newly available or resubmitted respondent data in the *Petroleum Supply Annual (PSA)*.

### (6.) Macro Editing

Monthly data are compared to weekly data on a regular basis. Discrepancies between weekly and monthly data are documented and respondents are called when discrepancies are either large (usually over 300 thousand barrels) or consistent (e.g., weekly data are always lower than monthly data). In addition, a comparison of the data collected on the PSRS with other similar data series from sources outside of the EIA is performed on an ongoing basis. Results of selected data comparisons are published once a year in the feature article, "Comparison of Independent Statistics on Petroleum Supply." Additional comparisons are made between survey data and model results. Data reported in the Petroleum Supply Monthly and Petroleum Supply Annual are routinely imputed to correct for cases where comparison with other data suggests errors in survey data.

### (7.) Dissemination

The *PSM* data are normally released within 60 days of the close of the reference month. The *PSM* is available on the web at:

<http://www.eia.gov/petroleum/supply/monthly/>

Much of the *PSM* data are available on the web product, Petroleum Navigator. Petroleum Navigator provides an interface for accessing a comprehensive set of EIA's petroleum data. Features include: downloadable spreadsheets containing complete data history, data tables which "pivot" to present different perspectives, and selection boxes to easily change the product, area, process, period, and unit of measure. Petroleum Navigator can be accessed at: <http://www.eia.gov/petroleum/data.cfm>

## C. Derived Data

Due to the time constraints in publishing monthly petroleum supply statistics and the desire to reduce industry response burden, some of the statistics published in the PSM are obtained from sources other than the monthly supply surveys. These other sources include models to data and data from supplemental sources such as the Bureau of the Census.

### (1.) Domestic Crude Oil Production

The interim estimate of U.S., PAD District, and state oil production for the current reference month, published in Tables 1 through 26 of the PSM, are based on:

(a.) crude oil production data from state government agencies and the Department of the Interior, Bureau of Safety and Environmental Enforcement;

(b.) crude oil production data reported on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report." For some states, EIA uses current reported data from the state (chiefly Alaska). For the states of Arkansas, California, Colorado, Kansas, Louisiana, Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas, Utah, West Virginia, Wyoming, and the Federal Gulf of Mexico, EIA calculates an estimate by modeling the relationship between final state-level data from DrillingInfo, a third-party vendor of well-level data collected by state agencies, and data reported on the EIA-914 survey using weighted least squares (WLS) linear regression. Additional explanation of the WLS estimation methodology is available. Estimates have to be made for crude oil production because complete and correct data from states may take from several months to over two years.

(c.) first purchase data reported on Form EIA-182 "Domestic Crude Oil First Purchase Report." For the remaining states and areas (Alabama, Arizona, Federal Pacific Offshore, Florida, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia) EIA calculates an estimate by using the average lagged ratio (ALR) of the state reported data to EIA-182 data, applied to the current EIA-182 data. Additional explanation of the ALR estimation methodology is available.

State-level production estimates are published in Table 26, "Production of Crude Oil by PAD District and State." Table 26 contains estimates for crude oil production for state and federal offshore areas reported by state agencies and the Bureau of Safety and Environmental Enforcement or estimated by EIA using the ALR or WLS methods discussed above. Every month, the monthly crude oil production estimates are updated in Table 26 of the Petroleum Supply Monthly (<http://www.eia.gov/petroleum/supply/monthly/>) using reports from state agencies and the Bureau of Safety and Environmental Enforcement. The estimates are reported in the Petroleum

Navigator and the Petroleum Supply Monthly roughly 60 days after the production month.

### (2.) Exports

The U.S. Bureau of the Census compiles the official U.S. export statistics. Exporters are required to file a "Shipper's Export Declaration Document" with the U.S. Census Bureau. Each month the EIA receives aggregated export statistics from the U.S. Bureau of the Census (EM-522 and EM-594). Census export statistics used in the PSM reflect both government and non-governmental exports of domestic and foreign merchandise from the United States (the 50 States and the District of Columbia) to foreign countries and U.S. possessions, without regard to whether or not the exportation involves a commercial transaction. The following types of transactions are excluded from the statistics:

- Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.
- Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

### (3.) Movements of crude oil by railroad

The volume of crude oil, ethanol, biodiesel, propane, propylene, normal butane, and isobutane moving by railroad is calculated using several data sources including Carload Waybill Sample (CWS) data from the U.S. Surface Transportation Board (STB), data from the National Energy Board of Canada (NEB), data in EIA's Oil and Gas Supply Module (OGSM) within the National Energy Modeling system (NEMS) for data prior to 2015, the EIA-915 survey starting in January 2015, and an estimation procedure developed by EIA for months in which data these data are not available.

Once the data necessary for calculating rail movements become available, which may take as long as 60 days after the end of a calendar quarter, EIA will revise the estimates made.

Movements of crude oil, ethanol, biodiesel, propane, propylene, normal butane, and isobutane by rail are based on EIA analysis of carload data from the STB CWS. Additional data from the NEB, OGSM, and the EIA-915 are used for estimating factors for converting carloads to barrels of crude oil. Carloads of ethanol, biodiesel, propane, propylene, normal butane, and isobutane are converted to barrels using data from the CWS.

Carload data from the STB are available approximately 60 days after the end of each quarter. For example, carload data for the first quarter of each year are typically available by about June 1. Therefore, recent-month rail movements reported by EIA in the Petroleum Supply Monthly and Petroleum Navigator are modeled based on historical rail movement averages, medians, or correlations of rail movements derived from actual carload data with other regional supply data collected by EIA or other sources including field production, imports, refinery and blender inputs, movements other than rail, exports, and supply adjustments.

Estimates of rail movements are subject to revision on a monthly basis as new, more complete, and more accurate data become available. Monthly revisions will typically affect data available through Petroleum Navigator on the EIA web site for the current year and up to two prior years. To the extent that revisions are needed to data more than 2 years in the past, these revisions will be made once a year at the time when Petroleum Navigator tables are updated with final data for a year from the Petroleum Supply Annual. Petroleum Supply Monthly and Petroleum Supply Annual tables released as PDF files will not be revised.

#### (4.) Stocks of Crude Oil held on Producing Sites (Lease Stocks)

The adjustment for lease stocks was discontinued beginning with PSM data for July 2016 released on September 30, 2016 because EIA discontinued reporting crude oil stocks held on producing sites (lease stocks). The lease stock adjustment remains in all historical EIA lease stocks data.

This adjustment corrects for incomplete survey coverage of companies that store crude oil on leases. Up until 1983, monthly state government data on lease stocks were substituted for EIA data wherever possible in order to rectify the understatement of lease crude oil stocks. State data were available from three states - Texas, New Mexico, and Montana. To calculate the “lease adjustment,” a comparison between EIA reported data and the state government data was made and the difference added to the EIA data for the respective states.

In 1983, the EIA modified the Form EIA-813 to eliminate state data on crude oil stocks and began collecting crude oil stock data by Petroleum Administration for Defense (PAD) District. With this change, the “lease adjustment” could no longer be calculated on a state basis and was changed to a PAD District level. To adjust for this incomplete coverage, 10,300 thousand barrels of crude oil are added to PAD District 3 stocks and 330 thousand barrels are added to PAD District 4 stocks.

#### (5.) Trans-Alaska Pipeline System (TAPS) Natural Gas Plant Liquids (NGPL Adjustment)

The TAPS-NGPL adjustment corrects for overstatement of crude oil receipts and input at refineries due to NGPL injection into Alaskan crude oil transported in TAPS. Natural gas

processing plants in Alaska produce substantial volumes of NGPL that are added to crude oil transported through TAPS. Refiners have been unable to separate the volume of NGPL from Alaskan crude oil when reporting crude oil receipts and inputs to EIA. The TAPS-NGPL adjustment subtracts Alaskan NGPL production reported by selected gas processing plant operators from crude oil receipts and inputs reported by refiners. Adjusted NGPL production is added to refinery receipts and inputs of NGPL. The adjusted NGPL barrels are allocated to PAD Districts based on the regional distribution of receipts of Alaskan crude oil. Data most affected by the TAPS-NGPL adjustment are receipts and inputs of crude oil in PAD District 5 and receipts, inputs, and product supplied of butane and pentanes plus also in PAD District 5.

NGPL injections into crude oil transported in the TAPS started in 1987. The TAPS-NGPL adjustment was first applied to revised data reported in the Petroleum Supply Annual (PSA) for 1988.

#### (6.) Finished Motor Gasoline Adjustment

Adjustment quantities for finished motor gasoline are the sum of motor gasoline blending components, fuel ethanol, and methyl tertiary butyl ether (MTBE) adjustments reclassified to finished motor gasoline. Finished motor gasoline adjustment quantities are assumed to reflect gasoline blending activity that was not reported on surveys.

**Note on MTBE Adjustment:** The MTBE portion of the gasoline adjustment described in this section was only applied to Petroleum Supply Monthly (PSM) data for 2009. The MTBE portion of the gasoline adjustment was discontinued after further examination of the issue made clear the MTBE adjustment was not helpful in forming an accurate statistical representation of U.S. and regional gasoline supplies. The MTBE adjustment was not applied to gasoline supply and disposition data in years prior to 2009, nor was it applied to revised data for 2009 published in the Petroleum Supply Annual or in years after 2009. This note only applies to MTBE adjustments. MTBE blending that was reported on EIA surveys is reflected in U.S. and regional gasoline supply and disposition data. Other adjustments to gasoline supply and disposition data to account for motor gasoline blending components and fuel ethanol remain as described in this section.

- Adjustment quantities for finished reformulated motor gasoline include adjustments for reformulated blendstock for oxygenate blending (RBOB) plus a percentage of gasoline treated as blendstock (GTAB), “other” motor gasoline blending components, fuel ethanol, and MTBE. The quantity of GTAB and “other” motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline is based on the ratio of finished reformulated motor gasoline net production divided by total finished motor gasoline net production reported on surveys by refiners and blenders in each

PAD District. Motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline are further classified as blended with alcohol (i.e. fuel ethanol), blended with ether (i.e. MTBE), or non-oxygenated during 2009.

Starting with data for January 2010, motor gasoline blending component adjustment quantities were classified only as blended with fuel ethanol and “other”. During 2009, RBOB adjustment quantities were classified based on the product description that included reference to the oxygenate to be blended. Beginning with data for January 2010, all RBOB is reported in one product category without reference to specific oxygenates, and all RBOB adjustment quantities are assumed blended with fuel ethanol. During 2009, adjustment quantities for GTAB and “other” motor gasoline blending components reclassified to finished reformulated gasoline were further classified as blended with ether, blended with alcohol, or non-oxygenated based on the ratio of production of these products in reported survey data. After determining adjustment quantities of motor gasoline blending components reclassified to each type of finished reformulated motor gasoline, portions of the fuel ethanol and MTBE adjustments were reclassified to reformulated motor gasoline. The fuel ethanol quantity reclassified to finished reformulated motor gasoline was determined using the ratio of fuel ethanol blended into finished motor gasoline calculated from fuel ethanol blending data reported on survey forms by PAD District. For example, if the calculated volumetric fuel ethanol blend ratio was 10%, then a quantity of the fuel ethanol adjustment sufficient to make a 10% blend with the available motor gasoline blending components is reclassified to finished reformulated motor gasoline, but the quantity of fuel ethanol cannot exceed the total quantity of the fuel ethanol adjustment. During 2009, a similar process was followed for allocating the MTBE adjustment to reformulated motor gasoline except the blend ratio was assumed to be 12% in all PAD Districts. Starting with data for January 2010, the entire MTBE adjustment quantity is assumed to be blended with finished conventional motor gasoline.

- Adjustment quantities for finished conventional motor gasoline include adjustments for conventional blendstock for oxygenate blending (CBOB) plus the portion of GTAB, “other” motor gasoline blending components, fuel ethanol and MTBE adjustments that were not reclassified to finished reformulated motor gasoline. The total adjustment to finished conventional motor gasoline is further classified as finished conventional gasoline blended with fuel ethanol and “other” finished conventional motor gasoline. The quantity of the finished conventional motor gasoline adjustment reclassified as finished conventional motor gasoline blended with fuel ethanol is determined using the quantity of the fuel ethanol adjustment allocated

to finished conventional motor gasoline and the fuel ethanol blend ratio calculated from fuel ethanol blending reported on surveys by PAD District. For example, if the fuel ethanol blend ratio calculated from survey data was 10% in a PAD District, then the total adjustment quantity of finished conventional motor gasoline in that PAD District would be 10 times the fuel ethanol adjustment quantity allocated to finished conventional gasoline (i.e. the adjustment to finished conventional motor gasoline blended with fuel ethanol includes 10% fuel ethanol and 90% gasoline from the motor gasoline blending components adjustment). The MTBE adjustment allocated to finished conventional motor gasoline is simply added to the adjustment for “other” finished conventional motor gasoline.

- Fuel ethanol adjustment quantities frequently exceed the volume of fuel ethanol needed to achieve a blend ratio implied by blending activity reported by refiners and blenders on surveys when considering only the gasoline barrels available from the motor gasoline blending components adjustment. In this case, “other” finished conventional motor gasoline is reclassified by the adjustment to finished conventional motor gasoline blended with alcohol in order to maintain an ethanol blend ratio equal to the fuel ethanol blend ratio reported by refiners and blenders in each PAD District.

#### (7.) Motor Gasoline Blending Components Adjustment

Adjustment quantities for motor gasoline blending components at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports and renewable fuels and oxygenate plant net production (i.e. motor gasoline blending components use as denaturant for fuel ethanol production). Adjustment quantities by PAD District equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, renewable fuels and oxygenate plant net production, and net receipts. Motor gasoline blending components adjustments are calculated for reformulated blendstock for oxygenate blending (RBOB), conventional blendstock for oxygenate blending (CBOB), gasoline treated as blendstock (GTAB), and “other” motor gasoline blending components. Product supplied for motor gasoline blending components is assumed to always equal zero because there is no end-user demand for motor gasoline blending components as anything other than finished motor gasoline. Motor gasoline blending components adjustment quantities are assumed to reflect finished motor gasoline blending implied by the supply and disposition balance but not reported on surveys. Adjustment quantities for motor gasoline blending components are reclassified to finished motor gasoline and added to the finished motor gasoline adjustment.

#### (8.) Renewable Fuels including Fuel Ethanol Adjustment

Adjustment quantities for renewable fuels (including fuel ethanol) at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum



of renewable fuels and oxygenate plant net production and imports. Calculation of adjustment quantities by PAD District depends on the product. Individual products include fuel ethanol, biomass based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). Product supplied for renewable fuels (including fuel ethanol) is assumed equal to zero. Adjustments for fuel ethanol and “other” renewable fuels are discussed separately below.

- Fuel ethanol adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. There are no survey data available for rail movements of fuel ethanol between PAD Districts, and so allocation of fuel ethanol adjustments to PAD Districts is based on the ratio of fuel ethanol blending reported on surveys in each PAD District divided by fuel ethanol blending reported on surveys for the entire U.S. In this case, Fuel ethanol implied net receipts are calculated for each PAD District as the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production, imports, and adjustments. Fuel ethanol implied net receipts are the balancing item between total supply and disposition in each PAD District. Fuel ethanol adjustment quantities are assumed to reflect blending of fuel ethanol into finished motor gasoline that is implied by the available supply of fuel ethanol but not reported on surveys. Fuel ethanol adjustment volumes are reclassified to finished reformulated motor gasoline and finished conventional motor gasoline through finished motor gasoline adjustments.

- The product category called “renewable fuels except fuel ethanol” includes biomass-based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). For PSM data prior to January 2012, renewable fuels except fuel ethanol adjustment quantities at the U.S. and PAD District levels were calculated as the sum of stock change, refinery and blender net input, and exports minus imports. Data for production of Renewable Fuels except Fuel Ethanol was unavailable and was excluded from Renewable Fuels and Oxygenate Plant Net Production. Therefore the calculation of adjustments to Renewable Fuels except Fuel Ethanol caused production to be included in the adjustment. Similarly, the calculation caused net inter-PAD District movements (i.e. net receipts) by rail and truck to also be included in adjustments to renewable fuels except fuel ethanol.

- Beginning with PSM data for January 2012, production of biodiesel reported on Form EIA-22M was included under the heading of “renewable fuels and oxygenate plant net production” in petroleum

supply and disposition balances for “renewable fuels except fuel ethanol”. As a result, the adjustment for “renewable fuels except fuel ethanol” no longer includes production of biodiesel. This change will also be made to revised monthly data for January-December 2011 when the 2011 Petroleum Supply Annual is released.

- Biodiesel adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. There are no survey data available for rail movements of biodiesel between PAD Districts, and so allocation of fuel biodiesel adjustments to PAD Districts is based on the ratio of biomass-based diesel blending reported on surveys in each PAD District divided by biomass-based diesel fuel blending reported on surveys for the entire U.S. Biodiesel implied net receipts are calculated for each PAD District as the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production, imports, and adjustments. Biodiesel implied net receipts are the balancing item between total supply and disposition in each PAD District. Biodiesel adjustment quantities are assumed to reflect blending of biodiesel into distillate fuel oil that is implied by the available supply of biodiesel but not reported as input on surveys. Biodiesel adjustment volumes are reclassified to distillate fuel oil (15 ppm sulfur and under) through distillate fuel oil adjustments.

#### (9.) Distillate Fuel Oil Adjustment

Adjustment quantities for distillate fuel oil show reclassification by pipeline operators of distillate fuel oil with sulfur content of 15 ppm and under to distillate fuel oil with sulfur content greater than 15 ppm to 500 ppm (inclusive). Reclassification may occur when distillate product with sulfur content of 15 ppm and under becomes mixed with products having higher sulfur content during pipeline transportation, storage, or handling. Adjustment quantities are reported by pipeline operators on Form EIA-812 “Monthly Product Pipeline Report.” This adjustment was discontinued after publication of data for December 2010

Beginning with PSM data for January 2012, distillate fuel oil adjustments equal the opposite of biodiesel adjustments described above in section 7. Biodiesel adjustments are added to distillate fuel oil (15 ppm sulfur and under) and to total distillate fuel oil. Distillate fuel oil adjustment quantities are assumed to reflect biodiesel blending activity implied by biodiesel supply and disposition but not reported on surveys. Distillate fuel oil adjustments for biodiesel will also be added to revised data for January-December 2011 when the 2011 Petroleum Supply Annual is released.

### (10.) Crude Oil Adjustment

Adjustment quantities for crude oil are derived to balance crude oil supply and disposition. Crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report” in data through December 2009. Reporting crude oil used directly was discontinued on Form EIA-813 after collection of data for December 2009. Crude oil product supplied is assumed equal to zero beginning with data for January 2010. Undercounting crude oil imports in survey data is one example of a typical cause of crude oil adjustments. This results in a positive crude oil adjustment because crude oil disposition (i.e. the sum of stock change, refiner inputs, and exports) will exceed available supply (i.e. the sum of field production and imports) due to import undercounting. Crude oil losses are included in crude oil adjustment quantities. The crude oil adjustment was formerly called unaccounted-for crude oil. The name change was effective with data for January 2005.

### (11.) Other Hydrocarbon Adjustment

Adjustment quantities for “other” hydrocarbons equal the sum of stock change, refinery and blender net inputs and exports minus imports. “Other” hydrocarbons product supplied is assumed equal to zero. Adjustment quantities account for “other” hydrocarbons produced outside of refineries. There are no movements data collected on surveys for “other” hydrocarbons. Therefore, adjustment quantities include any net receipts of “other” hydrocarbons resulting from inter-PAD District movements.

### (12.) Hydrogen Adjustment

Adjustment quantities for hydrogen equal refinery and blender net input of hydrogen. Hydrogen product supplied is assumed equal to zero. Adjustment quantities account for hydrogen supplied to U.S. refineries from non-refinery sources. There are no movements data collected on surveys for hydrogen. Therefore, adjustment quantities at the PAD District level include any net receipts of hydrogen resulting from inter-PAD District movements.

### (13.) Oxygenates (excluding fuel ethanol) Adjustment

Adjustment quantities for oxygenates (excluding fuel ethanol) equal the sum of stock change, refinery and blender net inputs, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. Product supplied for oxygenates (excluding fuel ethanol) is assumed equal to zero. Methyl tertiary butyl ether (MTBE) is the single largest component of oxygenates (excluding fuel ethanol).

## 3. Quality

### A. General Discussion

#### (1.) Response Rates

The response rate is generally 98 to 100 percent. Average response rates for the monthly and weekly surveys are published in the annual PSM article “Accuracy of Petroleum Supply Data.” Chronic nonrespondents and late filing respondents are contacted in writing and reminded of their requirement to report. Companies that file late or fail to file are subject to criminal fines, civil penalties, and other sanctions as provided by Section 13(i) of the Federal Energy Administration (FEA) Act.

#### (2.) Non-sampling Errors

There are two types of errors usually associated with data produced from a survey; sampling errors and nonsampling errors. Because the estimates for the monthly surveys are based on a complete census of the frame, there is no sampling error in the data presented. The data, however, are subject to non-sampling errors. Non-sampling errors may arise from a number of sources including: (1) the inability to obtain data from all companies in the frame (non-response) and the method used to account for non-response, (2) response errors, (3) differences in the interpretation of questions or definitions, (4) mistakes in recording or coding of the data obtained from respondents, and (5) other errors of collection, response, coverage, processing, and estimation.

#### (3.) Resubmissions

Throughout the year, EIA accepts data revisions of monthly data. If a revision to a monthly submission is made after the PSM has been published, it is referred to as a resubmission. The final monthly values for the previous year are published in the PSA. These values reflect all PSM resubmissions and other data corrections. The values contained in the PSA are EIA’s most accurate measure of petroleum supply activity.

#### (4.) Revision Policy

EIA will publish revised monthly crude oil production estimates going back to the Previously published Petroleum Supply Annual every month in the Petroleum Supply Navigator (<http://www.eia.gov/petroleum/supply/monthly/>). Once a year with the release of the Petroleum Supply Annual, EIA will revise up to 10 years of historical production estimates in the Petroleum Supply Navigator.

## **B. Data Assessment**

The principal objective of the PSRS is to provide an accurate picture of petroleum industry activities and of the availability of petroleum products nationwide from primary distribution channels. The PSM preliminary monthly data serve as leading indicators of the final monthly data published in the PSA. The PSM monthly data are not expected to have the same level of accuracy as the final monthly data published in the PSA. However, the preliminary monthly data are expected to exhibit like trends and product flow characteristic of the final monthly data.

To assess the accuracy of monthly statistics, initial monthly estimates published in the PSM are compared with the final monthly aggregates published in the PSA. Although final monthly data are still subject to error, they have been thoroughly reviewed and edited, they reflect all revisions made during the year, and they are considered to be the most accurate data available. The mean absolute percent error provides a measure of the average revisions relative to the aggregates being measured for a variable. The mean absolute percent error for 2007 monthly data was less than 1 percent for 50 of the 66 major petroleum variables analyzed.

### **4. Provisions Regarding Disclosure of Information**

All PSRS survey forms, with the exception of the Form EIA-814, "Monthly Imports Report," have the same general disclosure information statement. The information reported on Form EIA-814 will be considered "public information" and may be publicly released in company or individually identifiable form, and will not be protected from disclosure in identifiable form.

The information reported on Forms EIA-810 through 813, 815 through 817, 819, and 820 will be protected and not disclosed to the

public to the extent that it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. §552, the Department of Energy (DOE) regulations, 10 C.F.R. §1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C. §1905. The Federal Energy Administration Act requires the EIA to provide company-specific data to other Federal agencies when requested for official use. The information reported on this form may also be made available, upon request, to another DOE component; to any Committee of Congress, the Government Accountability Office, or other Federal agencies authorized by law to receive such information. A court of competent jurisdiction may obtain this information in response to an order. The information may be used for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Disclosure limitation procedures are not applied to the statistical data published from this survey's information. Thus, there may be some statistics that are based on data from fewer than three respondents, or that are dominated by data from one or two large respondents. In these cases, it may be possible for a knowledgeable person to estimate the information reported by a specific respondent.

In addition to the use of the information by EIA for statistical purposes, the information may be made available, upon request, to other Federal agencies authorized by law to receive such information for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Company specific data are also provided to other DOE offices for the purpose of examining specific petroleum operations in the context of emergency response planning and actual emergencies.

## Northeast Reserves

Reserves inventories are not considered to be in the commercial sector and are excluded from EIA's commercial motor gasoline and distillate fuel oil supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

### Northeast Home Heating Oil Reserve classified as ultra-low sulfur distillate (15 parts per million)

Terminal Operator	Location	Thousand Barrels
Buckeye Partners LP	Port Reading, NJ	300
Buckeye Partners LP	Groton, CT	300
Global Companies LLC	Revere, MA	400

Source: U. S. Energy Information Administration

### Northeast Regional Refined Petroleum Product Reserve motor gasoline products

Terminal Operator	Location	Thousand Barrels
BP Products North America	Carteret, NJ	200
Buckeye Terminals LLC	Port Reading, NJ	0
Buckeye Terminals LLC	Raritan Bay, NJ	500
Global Companies LLC	Revere, MA	200
South Portland Terminal LLC	South Portland, ME	99

Source: U. S. Energy Information Administration

Other reserves information from the U.S. Department of Energy, Office of Petroleum Reserves can be found at <http://energy.gov/fe/services/petroleum-reserves/>

## State of New York's Strategic Fuels Reserve Program

State reserve inventories are also not considered to be in the commercial sector and are excluded from EIA's commercial inventories and are excluded from supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

Product	Location	Thousand Barrels
Motor Gasoline Blending Components	NY	87
Fuel Ethanol	NY	10
Distillate Fuel Oil, 15 ppm Sulfur and Under	NY	34

Source: New York State Energy Research & Development Authority

# Definitions of Petroleum Products and Other Terms

(Revised May 2010)

**Alcohol.** The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group;  $\text{CH}_3\text{-(CH}_2\text{)}_n\text{-OH}$  (e.g., methanol, ethanol, and tertiary butyl alcohol).

**Alkylate.** The product of an alkylation reaction. It usually refers to the high octane product from alkylation units. This alkylate is used in blending high octane gasoline.

**Alkylation.** A refining process for chemically combining isobutane with olefin hydrocarbons (e.g., propylene, butylene) through the control of temperature and pressure in the presence of an acid catalyst, usually sulfuric acid or hydrofluoric acid. The product, alkylate, an isoparaffin, has high octane value and is blended with motor and aviation gasoline to improve the antiknock value of the fuel.

**All Other Motor Gasoline Blending Components. See Motor Gasoline Blending Components.**

**API Gravity.** An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Degrees API} = \frac{141.5}{\text{sp. gr. @ } 60^\circ \text{ F}} - 131.5$$

The higher the API gravity, the lighter the compound. Light crudes generally exceed 38 degrees API and heavy crudes are commonly labeled as all crudes with an API gravity of 22 degrees or below. Intermediate crudes fall in the range of 22 degrees to 38 degrees API gravity.

**Aromatics.** Hydrocarbons characterized by unsaturated ring structures of carbon atoms. Commercial petroleum aromatics are benzene, toluene, and xylene (BTX).

**Asphalt.** A dark-brown-to-black cement-like material containing bitumens as the predominant constituent obtained by petroleum processing; used primarily for road construction. It includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts. Note: The conversion factor for asphalt is 5.5 barrels per short ton.

**ASTM.** The acronym for the American Society for Testing and Materials.

**Atmospheric Crude Oil Distillation.** The refining process of separating crude oil components at atmospheric pressure by heating to temperatures of about 600 degrees Fahrenheit to 750 degrees Fahrenheit (depending on the nature of the crude oil and desired products) and subsequent condensing of the fractions by cooling.

**Aviation Gasoline (Finished).** A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in aviation reciprocating

engines. Fuel specifications are provided in ASTM Specification D 910 and Military Specification MIL-G-5572. Note: Data on blending components are not counted in data on finished aviation gasoline.

**Aviation Gasoline Blending Components.** Naphthas which will be used for blending or compounding into finished aviation gasoline (e.g., straight-run gasoline, alkylate, reformat, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus. Oxygenates are reported as other hydrocarbons, hydrogen, and oxygenates.

**Barrel.** A unit of volume equal to 42 U.S. gallons.

**Barrels Per Calendar Day.** The amount of input that a distillation facility can process under usual operating conditions. The amount is expressed in terms of capacity during a 24-hour period and reduces the maximum processing capability of all units at the facility under continuous operation (see **Barrels per Stream Day**) to account for the following limitations that may delay, interrupt, or slow down production:

the capability of downstream facilities to absorb the output of crude oil processing facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams through other than downstream facilities is part of a refinery's normal operation;

the types and grades of inputs to be processed;

the types and grades of products expected to be manufactured;

the environmental constraints associated with refinery operations;

the reduction of capacity for scheduled downtime due to such conditions as routine inspection, maintenance, repairs, and turnaround; and

the reduction of capacity for unscheduled downtime due to such conditions as mechanical problems, repairs, and slowdowns.

**Barrels Per Stream Day.** The maximum number of barrels of input that a distillation facility can process within a 24-hour period when running at full capacity under optimal crude and product slate conditions with no allowance for downtime.

**Benzene ( $\text{C}_6\text{H}_6$ ).** An aromatic hydrocarbon present in small proportion in some crude oils and made commercially from petroleum by the catalytic reforming of naphthenes in petroleum naphtha. Also made from coal in the manufacture of coke. Used as a solvent, in manufacturing detergents, synthetic fibers, and petrochemicals and as a component of high-octane gasoline.

**Biomass-Based Diesel Fuel.** Biodiesel and other renewable diesel fuel or diesel fuel blending components derived from biomass, but excluding renewable diesel fuel coprocessed with petroleum

feedstocks.

**Blending Components.** See *Motor or Aviation Gasoline Blending Components*.

**Blending Plant.** A facility which has no refining capability but is either capable of producing finished motor gasoline through mechanical blending or blends oxygenates with motor gasoline.

**Bonded Petroleum Imports.** Petroleum imported and entered into Customs bonded storage. These imports are not included in the import statistics until they are: (1) withdrawn from storage free of duty for use as fuel for vessels and aircraft engaged in international trade; or (2) withdrawn from storage with duty paid for domestic use.

**BTX.** The acronym for the commercial petroleum aromatics benzene, toluene, and xylene. See individual categories for definitions.

**Bulk Station.** A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of less than 50,000 barrels and receives its petroleum products by tank car or truck.

**Bulk Terminal.** A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of 50,000 barrels or more and/or receives petroleum products by tanker, barge, or pipeline.

**Butane ( $C_4H_{10}$ ).** A normally gaseous straight-chain or branch-chain hydrocarbon extracted from natural gas or refinery gas streams. It includes normal butane and refinery-grade butane and is designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

**Normal Butane ( $C_4H_{10}$ ).** A normally gaseous straight-chain hydrocarbon that is a colorless paraffinic gas which boils at a temperature of 31.1 degrees Fahrenheit and is extracted from natural gas or refinery gas streams.

**Refinery-Grade Butane ( $C_4H_{10}$ ).** A refinery-produced stream that is composed predominantly of normal butane and/or isobutane and may also contain propane and/or natural gasoline. These streams may also contain significant levels of olefins and/or fluorides contamination.

**Butylene ( $C_4H_8$ ).** An olefinic hydrocarbon recovered from refinery processes.

**Captive Refinery Oxygenate Plants.** Oxygenate production facilities located within or adjacent to a refinery complex.

**Catalytic Cracking.** The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil. Catalytic cracking processes fresh feeds and recycled feeds.

**Fresh Feeds.** Crude oil or petroleum distillates which are being fed to processing units for the first time.

**Recycled Feeds.** Feeds that are continuously fed back for additional processing.

**Catalytic Hydrocracking.** A refining process that uses hydrogen and catalysts with relatively low temperatures and high pressures for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel, and/or high grade fuel oil. The process uses one or more catalysts, depending upon product output, and can handle high sulfur feedstocks without prior desulfurization.

**Catalytic Hydrotreating.** A refining process for treating petroleum fractions from atmospheric or vacuum distillation units (e.g., naphthas, middle distillates, reformer feeds, residual fuel oil, and heavy gas oil) and other petroleum (e.g., cat cracked naphtha, coker naphtha, gas oil, etc.) in the presence of catalysts and substantial quantities of hydrogen. Hydrotreating includes desulfurization, removal of substances (e.g., nitrogen compounds) that deactivate catalysts, conversion of olefins to paraffins to reduce gum formation in gasoline, and other processes to upgrade the quality of the fractions.

**Catalytic Reforming.** A refining process using controlled heat and pressure with catalysts to rearrange certain hydrocarbon molecules, thereby converting paraffinic and naphthenic type hydrocarbons (e.g., low-octane gasoline boiling range fractions) into petrochemical feedstocks and higher octane stocks suitable for blending into finished gasoline. Catalytic reforming is reported in two categories. They are:

**Low Pressure.** A processing unit operating at less than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

**High Pressure.** A processing unit operating at either equal to or greater than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

**Charge Capacity.** The input (feed) capacity of the refinery processing facilities.

**Coal.** A readily combustible black or brownish-black rock whose composition, including inherent moisture, consists of more than 50 percent by weight and more than 70 percent by volume of carbonaceous material. It is formed from plant remains that have been compacted, hardened, chemically altered, and metamorphosed by heat and pressure over geologic time.

**Commercial Kerosene-Type Jet Fuel.** See *Kerosene-Type Jet Fuel*.

**Conventional Blendstock for Oxygenate Blending (CBOB).** See *Motor Gasoline Blending Components*.

**Conventional Gasoline.** See *Motor Gasoline (Finished)*.

**Crude Oil.** A mixture of hydrocarbons that exists in liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Depending upon the characteristics of the crude stream, it may also include:

Small amounts of hydrocarbons that exist in gaseous phase in natural underground reservoirs but are liquid at atmospheric pressure after being recovered from oil well (casinghead) gas in lease separators and are subsequently commingled

with the crude stream without being separately measured. Lease condensate recovered as a liquid from natural gas wells in lease or field separation facilities and later mixed into the crude stream is also included;

Small amounts of nonhydrocarbons produced from oil, such as sulfur and various metals;

Drip gases, and liquid hydrocarbons produced from tar sands, oil sands, gilsonite, and oil shale.

Liquids produced at natural gas processing plants are excluded. Crude oil is refined to produce a wide array of petroleum products, including heating oils; gasoline, diesel and jet fuels; lubricants; asphalt; ethane, propane, and butane; and many other products used for their energy or chemical content.

Crude oil is considered as either domestic or foreign, according to the following:

**Domestic.** Crude oil produced in the United States or from its Outer continental shelf as defined in 43 USC 1331.

**Foreign.** Crude oil produced outside the United States. Imported Athabasca hydrocarbons (tar sands from Canada) are included.

**Crude Oil, Refinery Receipts.** Receipts of domestic and foreign crude oil at a refinery. Includes all crude oil in transit except crude oil in transit by pipeline. Foreign crude oil is reported as a receipt only after entry through customs. Crude oil of foreign origin held in bonded storage is excluded.

**Crude Oil Losses.** Represents the volume of crude oil reported by petroleum refineries as being lost in their operations. These losses are due to spills, contamination, fires, etc. as opposed to refinery processing losses.

**Crude Oil Production.** The volume of crude oil produced from oil reservoirs during given periods of time. The amount of such production for a given period is measured as volumes delivered from lease storage tanks (i.e., the point of custody transfer) to pipelines, trucks, or other media for transport to refineries or terminals with adjustments for (1) net differences between opening and closing lease inventories, and (2) basic sediment and water (BS&W).

**Crude Oil Qualities.** Refers to two properties of crude oil, the sulfur content and API gravity, which affect processing complexity and product characteristics.

**Delayed Coking.** A process by which heavier crude oil fractions can be thermally decomposed under conditions of elevated temperatures and pressure to produce a mixture of lighter oils and petroleum coke. The light oils can be processed further in other refinery units to meet product specifications. The coke can be used either as a fuel or in other applications such as the manufacturing of steel or aluminum.

**Desulfurization.** The removal of sulfur, as from molten metals, petroleum oil, or flue gases. Petroleum desulfurization is a process that removes sulfur and its compounds from various streams during the refining process. Desulfurization processes include catalytic hydrotreating and other chemical/physical processes such

as adsorption. Desulfurization processes vary based on the type of stream treated (e.g., naphtha, distillate, heavy gas oil, etc.) and the amount of sulfur removed (e.g., sulfur reduction to 10 ppm). See **Catalytic Hydrotreating**.

**Disposition.** The components of petroleum disposition are stock change, crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

**Distillate Fuel Oil.** A general classification for one of the petroleum fractions produced in conventional distillation operations. It includes diesel fuels and fuel oils. Products known as No. 1, No. 2, and No. 4 diesel fuel are used in on-highway diesel engines, such as those in trucks and automobiles, as well as off-highway engines, such as those in railroad locomotives and agricultural machinery. Products known as No. 1, No. 2, and No. 4 fuel oils are used primarily for space heating and electric power generation.

**No. 1 Distillate.** A light petroleum distillate that can be used as either a diesel fuel or a fuel oil.

**No. 1 Diesel Fuel.** A light distillate fuel oil that has a distillation temperature of 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high speed diesel engines generally operated under frequent speed and load changes, such as those in city buses and similar vehicles. See **No. 1 Distillate**.

**No. 1 Fuel Oil.** A light distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used primarily as fuel for portable outdoor stoves and portable outdoor heaters. See **No. 1 Distillate**.

**No. 2 Distillate.** A petroleum distillate that can be used as either a diesel fuel or a fuel oil.

**No. 2 Diesel Fuel.** A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high-speed diesel engines that are generally operated under uniform speed and load conditions, such as those in railroad locomotives, trucks, and automobiles. See **No. 2 Distillate**.

**Low Sulfur No. 2 Diesel Fuel.** No. 2 diesel fuel that has a sulfur level no higher than 0.05 percent by weight. It is used primarily in motor vehicle diesel engines for on-highway use.

**High Sulfur No. 2 Diesel Fuel.** No. 2 diesel fuel that has a sulfur level above 0.05 percent by weight.

**No. 2 Fuel Oil (Heating Oil).** A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used in

atomizing type burners for domestic heating or for moderate capacity commercial/industrial burner units. See **No. 2 Distillate**.

**No. 4 Fuel.** A distillate fuel oil made by blending distillate fuel oil and residual fuel oil stocks. It conforms to ASTM Specification D 396 or Federal Specification VV-F-815C and is used extensively in industrial plants and in commercial burner installations that are not equipped with preheating facilities. It also includes No. 4 diesel fuel used for low- and medium-speed diesel engines and conforms to ASTM Specification D 975.

**No. 4 Diesel Fuel.** See **No. 4 Fuel**.

**No. 4 Fuel Oil.** See **No. 4 Fuel**.

**Electricity (Purchased).** Electricity purchased for refinery operations that is not produced within the refinery complex.

**Ending Stocks.** Primary stocks of crude oil and petroleum products held in storage as of 12 midnight on the last day of the month. Primary stocks include crude oil or petroleum products held in storage at (or in) leases, refineries, natural gas processing plants, pipelines, tank farms, and bulk terminals that can store at least 50,000 barrels of petroleum products or that can receive petroleum products by tanker, barge, or pipeline. Crude oil that is in-transit by water from Alaska, or that is stored on Federal leases or in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage.

**ETBE (Ethyl tertiary butyl ether) (CH<sub>3</sub>)<sub>3</sub>COC<sub>2</sub>H<sub>5</sub>.** An oxygenate blend stock formed by the catalytic etherification of isobutylene with ethanol.

**Ethane (C<sub>2</sub>H<sub>6</sub>).** A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 127.48 degrees Fahrenheit. It is extracted from natural gas and refinery gas streams.

**Ether.** A generic term applied to a group of organic chemical compounds composed of carbon, hydrogen, and oxygen, characterized by an oxygen atom attached to two carbon atoms (e.g., methyl tertiary butyl ether).

**Ethylene (C<sub>2</sub>H<sub>4</sub>).** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes. Ethylene is used as a petrochemical feedstock for numerous chemical applications and the production of consumer goods.

**Exports.** Shipments of crude oil and petroleum products from the 50 States and the District of Columbia to foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

**Field Production.** Represents crude oil production on leases, natural gas liquids production at natural gas processing plants, new supply of other hydrocarbons/oxygenates and motor gasoline blending components, and fuel ethanol blended into finished motor gasoline.

**Flexicoking.** A thermal cracking process which converts heavy

hydrocarbons such as crude oil, tar sands bitumen, and distillation residues into light hydrocarbons. Feedstocks can be any pumpable hydrocarbons including those containing high concentrations of sulfur and metals.

**Fluid Coking.** A thermal cracking process utilizing the fluidized-solids technique to remove carbon (coke) for continuous conversion of heavy, low-grade oils into lighter products.

**Fresh Feed Input.** Represents input of material (crude oil, unfinished oils, natural gas liquids, other hydrocarbons and oxygenates or finished products) to processing units at a refinery that is being processed (input) into a particular unit for the first time.

Examples:

(1.) Unfinished oils coming out of a crude oil distillation unit which are input into a catalytic cracking unit are considered fresh feed to the catalytic cracking unit.

(2.) Unfinished oils coming out of a catalytic cracking unit being looped back into the same catalytic cracking unit to be reprocessed are not considered fresh feed.

**Fuel Ethanol (C<sub>2</sub>H<sub>5</sub>OH).** An anhydrous alcohol (ethanol with less than 1% water) intended for gasoline blending as described in Oxygenates definition.

**Fuels Solvent Deasphalting.** A refining process for removing asphalt compounds from petroleum fractions, such as reduced crude oil. The recovered stream from this process is used to produce fuel products.

**Gas Oil.** A liquid petroleum distillate having a viscosity intermediate between that of kerosene and lubricating oil. It derives its name from having originally been used in the manufacture of illuminating gas. It is now used to produce distillate fuel oils and gasoline.

**Gasohol.** A blend of finished motor gasoline containing alcohol (generally ethanol but sometimes methanol) at a concentration of 10 percent or less by volume. Data on gasohol that has at least 2.7 percent oxygen, by weight, and is intended for sale inside carbon monoxide nonattainment areas are included in data on oxygenated gasoline. See **Oxygenates**.

**Gasoline Blending Components.** Naphthas which will be used for blending or compounding into finished aviation or motor gasoline (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

**Gasoline Treated as Blendstock (GTAB).** See **Motor Gasoline Blending Components**.

**Gross Input to Atmospheric Crude Oil Distillation Units.** Total input to atmospheric crude oil distillation units. Includes all crude oil, lease condensate, natural gas plant liquids, unfinished oils, liquefied refinery gases, slop oils, and other liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

**Heavy Gas Oil.** Petroleum distillates with an approximate boiling



range from 651 degrees Fahrenheit to 1000 degrees Fahrenheit.

**High-Sulfur Distillate Fuel Oil.** Distillate fuel oil having sulfur content greater than 500 ppm.

**Hydrogen.** The lightest of all gases, occurring chiefly in combination with oxygen in water; exists also in acids, bases, alcohols, petroleum, and other hydrocarbons.

**Idle Capacity.** The component of operable capacity that is not in operation and not under active repair, but capable of being placed in operation within 30 days; and capacity not in operation but under active repair that can be completed within 90 days.

**Imported Crude Oil Burned As Fuel.** The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such. Imported crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

**Imports.** Receipts of crude oil and petroleum products into the 50 States and the District of Columbia from foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

**Isobutane ( $C_4H_{10}$ ).** A normally gaseous branch-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of 10.9 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams.

**Isobutylene ( $C_4H_8$ ).** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

**Isohexane ( $C_6H_{14}$ ).** A saturated branch-chain hydrocarbon. It is a colorless liquid that boils at a temperature of 156.2 degrees Fahrenheit.

**Isomerization.** A refining process which alters the fundamental arrangement of atoms in the molecule without adding or removing anything from the original material. Used to convert normal butane into isobutane ( $C_4$ ), an alkylation process feedstock, and normal pentane and hexane into isopentane ( $C_5$ ) and isohexane ( $C_6$ ), high-octane gasoline components.

**Isopentane.** See *Natural Gasoline and Isopentane*.

**Kerosene.** A light petroleum distillate that is used in space heaters, cook stoves, and water heaters and is suitable for use as a light source when burned in wick-fed lamps. Kerosene has a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are No. 1-K and No. 2-K, the two grades recognized by ASTM Specification D 3699 as well as all other grades of kerosene called range or stove oil, which have properties similar to those of No. 1 fuel oil. See *Kerosene-Type Jet Fuel*.

**Kerosene-Type Jet Fuel.** A kerosene-based product having a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point and a final maximum boiling point of 572 degrees Fahrenheit and meeting ASTM Specification D 1655 and Military Specifications MIL-T-5624P and MIL-T-83133D (Grades JP-5 and JP-8). It is used for commercial and military turbojet and turboprop aircraft engines.

**Commercial.** Kerosene-type jet fuel intended for use in commercial aircraft.

**Military.** Kerosene-type jet fuel intended for use in military aircraft.

**Lease Condensate.** A mixture consisting primarily of pentanes and heavier hydrocarbons which is recovered as a liquid from natural gas in lease separation facilities. This category excludes natural gas liquids, such as butane and propane, which are recovered at downstream natural gas processing plants or facilities. See *Natural Gas Liquids*.

**Light Gas Oils.** Liquid Petroleum distillates heavier than naphtha, with an approximate boiling range from 401 degrees Fahrenheit to 650 degrees Fahrenheit.

**Liquefied Petroleum Gases (LPG).** A group of hydrocarbon-based gases derived from crude oil refining or natural gas fractionation. They include: ethane, ethylene, propane, propylene, normal butane, butylene, isobutane, and isobutylene. For convenience of transportation, these gases are liquefied through pressurization.

**Liquefied Refinery Gases (LRG).** Liquefied petroleum gases fractionated from refinery or still gases. Through compression and/or refrigeration, they are retained in the liquid state. The reported categories are ethane/ethylene, propane/propylene, normal butane/butylene, and isobutane/isobutylene. Excludes still gas.

**Low-Sulfur Distillate Fuel Oil.** Distillate fuel oil having sulfur content greater than 15 ppm to 500 ppm. Low sulfur distillate fuel oil also includes product with sulfur content equal to or less than 15 ppm if the product is intended for pipeline shipment and the pipeline has a sulfur specification below 15 ppm.

**Lubricants.** Substances used to reduce friction between bearing surfaces or as process materials either incorporated into other materials used as processing aids in the manufacture of other products, or used as carriers of other materials. Petroleum lubricants may be produced either from distillates or residues. Lubricants include all grades of lubricating oils from spindle oil to cylinder oil and those used in greases.

**Merchant Oxygenate Plants.** Oxygenate production facilities that are not associated with a petroleum refinery. Production from these facilities is sold under contract or on the spot market to refiners or other gasoline blenders.

**Methanol ( $CH_3OH$ ).** A light, volatile alcohol intended for gasoline blending as described in Oxygenate definition.

**Middle Distillates.** A general classification of refined petroleum products that includes distillate fuel oil and kerosene.

**Military Kerosene-Type Jet Fuel.** See *Kerosene-Type Jet Fuel*.

**Miscellaneous Products.** Includes all finished products not classified elsewhere (e.g., petrolatum, lube refining byproducts (aromatic extracts and tars), absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, and specialty oils). Note:

Beginning with January 2004 data, naphtha-type jet fuel is included in Miscellaneous Products.

**Motor Gasoline (Finished).** A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in spark-ignition engines. Motor gasoline, as defined in ASTM Specification D 4814 or Federal Specification VV-G-1690C, is characterized as having a boiling range of 122 to 158 degrees Fahrenheit at the 10 percent recovery point to 365 to 374 degrees Fahrenheit at the 90 percent recovery point. "Motor Gasoline" includes conventional gasoline; all types of oxygenated gasoline, including gasohol; and reformulated gasoline, but excludes aviation gasoline. Volumetric data on blending components, such as oxygenates, are not counted in data on finished motor gasoline until the blending components are blended into the gasoline. Note: E85 is included only in volumetric data on finished motor gasoline production and other components of product supplied.

**Conventional Gasoline.** Finished motor gasoline not included in the oxygenated or reformulated gasoline categories. Note: This category excludes reformulated gasoline blendstock for oxygenate blending (RBOB) as well as other blendstock.

**Ed 55 and Lower.** Finished conventional motor gasoline blended with a maximum of 55 volume percent denatured fuel ethanol.

**Greater than Ed55.** Finished conventional motor gasoline blended with denatured fuel ethanol where the volume percent of denatured fuel ethanol exceeds 55%.

**OPRG.** "Oxygenated Fuels Program Reformulated Gasoline" is reformulated gasoline which is intended for use in an oxygenated fuels program control area.

**Oxygenated Gasoline (Including Gasohol).** Oxygenated gasoline includes all finished motor gasoline, other than reformulated gasoline, having oxygen content of 2.0 percent or higher by weight. Gasohol containing a minimum 5.7 percent ethanol by volume is included in oxygenated gasoline. Oxygenated gasoline was reported as a separate product from January 1993 until December 2003 inclusive. Beginning with monthly data for January 2004, oxygenated gasoline is included in conventional gasoline. Historical data for oxygenated gasoline excluded Federal Oxygenated Program Reformulated Gasoline (OPRG). Historical oxygenated gasoline data also excluded other reformulated gasoline with a seasonal oxygen requirement regardless of season.

**Reformulated Gasoline.** Finished gasoline formulated for use in motor vehicles, the composition and properties of which meet the requirements of the reformulated gasoline regulations promulgated by the U.S. Environmental Protection Agency under Section 211(k) of the Clean Air Act. It includes gasoline produced to meet or exceed emissions performance and benzene content standards of federal-program reformulated gasoline even though the gasoline

may not meet all of the composition requirements (e.g., oxygen content) of federal-program reformulated gasoline. Note: This category includes Oxygenated Fuels Program Reformulated Gasoline (OPRG). Reformulated gasoline excludes Reformulated Blendstock for Oxygenate Blending (RBOB) and Gasoline Treated as Blendstock (GTAB).

**Reformulated (Blended with Alcohol).** Reformulated gasoline blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content.

**Reformulated (Blended with Ether).** Reformulated gasoline blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content.

**Reformulated (Non-Oxygenated).** Reformulated gasoline without added ether or alcohol components.

**Motor Gasoline Blending.** Mechanical mixing of motor gasoline blending components, and oxygenates when required, to produce finished motor gasoline. Finished motor gasoline may be further mixed with other motor gasoline blending components or oxygenates, resulting in increased volumes of finished motor gasoline and/or changes in the formulation of finished motor gasoline (e.g., conventional motor gasoline mixed with MTBE to produce oxygenated motor gasoline).

**Motor Gasoline Blending Components.** Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. These components include reformulated gasoline blendstock for oxygenate blending (RBOB) but exclude oxygenates (alcohols, ethers), butane, and pentanes plus. Note: Oxygenates are reported as individual components and are included in the total for other hydrocarbons, hydrogens, and oxygenates.

**Conventional Blendstock for Oxygenate Blending (CBOB).** Conventional gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. CBOB must become conventional gasoline after blending with oxygenates. Motor gasoline blending components that require blending other than with oxygenates to become finished conventional gasoline are reported as All Other Motor Gasoline Blending Components. Excludes reformulated blendstock for oxygenate blending (RBOB).

**Gasoline Treated as Blendstock (GTAB).** Non-certified Foreign Refinery gasoline classified by an importer as blendstock to be either blended or reclassified with respect to reformulated or conventional gasoline. GTAB was classified on EIA surveys as either reformulated or conventional based on emissions performance and the intended end use in data through the end of December 2009. Designation of GTAB as reformulated or conventional was discontinued beginning with data for January 2010. GTAB was reported as a single product beginning with data for January 2010. GTAB data for January 2010 and later months is presented as conventional

motor gasoline blending components when reported as a subset of motor gasoline blending components.

**Reformulated Blendstock for Oxygenate Blending (RBOB).** Specially produced reformulated gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. Includes RBOB used to meet requirements of the Federal reformulated gasoline program and other blendstock intended for blending with oxygenates to produce finished gasoline that meets or exceeds emissions performance requirements of Federal reformulated gasoline (e.g., California RBOB and Arizona RBOB). Excludes conventional gasoline blendstocks for oxygenate blending (CBOB).

**RBOB for Blending with Alcohol.** Motor gasoline blending components intended to be blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

**RBOB for Blending with Ether.** Motor gasoline blending components intended to be blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

**All Other Motor Gasoline Blending Components.** Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. Includes receipts and inputs of Gasoline Treated as Blendstock (GTAB). Excludes conventional blendstock for oxygenate blending (CBOB), reformulated blendstock for oxygenate blending, oxygenates (e.g. fuel ethanol and methyl tertiary butyl ether), butane, and pentanes plus.

**MTBE (Methyl tertiary butyl ether)  $(CH_3)_3COCH_3$ .** An ether intended for gasoline blending as described in Oxygenate definition.

**Naphtha.** A generic term applied to a petroleum fraction with an approximate boiling range between 122 degrees Fahrenheit and 400 degrees Fahrenheit.

**Naphtha Less Than 401° F.** See *Petrochemical Feedstocks*.

**Naphtha-Type Jet Fuel.** A fuel in the heavy naphtha boiling range having an average gravity of 52.8 degrees API, 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees Fahrenheit, and meeting Military Specification MIL-T-5624L (Grade JP-4). It is used primarily for military turbojet and turboprop aircraft engines because it has a lower freeze point than other aviation fuels and meets engine requirements at high altitudes and speeds. Note: Beginning with January 2004 data, naphtha-type jet fuel is included in *Miscellaneous Products*.

**Natural Gas.** A gaseous mixture of hydrocarbon compounds, the primary one being **methane**.

**Natural Gas Field Facility.** A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

**Natural Gas Liquids.** Those hydrocarbons in natural gas that are separated from the gas as liquids through the process of absorption, condensation, adsorption, or other methods in gas processing or cycling plants. Generally such liquids consist of propane and heavier hydrocarbons and are commonly referred to as lease condensate, natural gasoline, and liquefied petroleum gases. Natural gas liquids include natural gas plant liquids (primarily ethane, propane, butane, and isobutane; see *Natural Gas Plant Liquids*) and lease condensate (primarily pentanes produced from natural gas at lease separators and field facilities; see *Lease Condensate*).

**Natural Gas Plant Liquids.** Those hydrocarbons in natural gas that are separated as liquids at natural gas processing plants, fractionating and cycling plants, and, in some instances, field facilities. Lease condensate is excluded. Products obtained include ethane; liquefied petroleum gases (propane, butanes, propane-butane mixtures, ethane-propane mixtures); isopentane; and other small quantities of finished products, such as motor gasoline, special naphthas, jet fuel, kerosene, and distillate fuel oil.

**Natural Gas Processing Plant.** Facilities designed to recover natural gas liquids from a stream of natural gas that may or may not have passed through lease separators and/or field separation facilities. These facilities control the quality of the natural gas to be marketed. Cycling plants are classified as gas processing plants.

**Natural Gasoline and Isopentane.** A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon,  $(C_5H_{12})$ , obtained by fractionation of natural gasoline or isomerization of normal pentane.

**Net Receipts.** The difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge.

**Normal Butane.** See *Butane*.

**OPEC.** An intergovernmental organization whose stated objective is to coordinate and unify petroleum policies of member countries. It was created at the Baghdad Conference on September 10–14, 1960. Current members (with years of membership) include Algeria (1969-present), Angola (2007-present), Ecuador (1973-1992 and 2007-present), Gabon (1975-1994 and July, 2016-present), Indonesia (1962-2008 and January, 2016-November, 2016), Iran (1960-present), Iraq (1960-present), Kuwait (1960-present), Libya (1962-present), Nigeria (1971-present), Qatar (1961-present), Saudi Arabia (1960-present), United Arab Emirates (1967-present), and Venezuela (1960-present).

**Operable Capacity.** The amount of capacity that, at the beginning of the period, is in operation; not in operation and not under active repair, but capable of being placed in operation within 30 days; or not in operation but under active repair that can be completed within 90 days. Operable capacity is the sum of the operating and idle capacity and is measured in barrels per calendar day or barrels per stream day.

**Operable Utilization Rate.** Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operable refining capacity of the units.

**Operating Capacity.** The component of operable capacity that is in operation at the beginning of the period.

**Operating Utilization Rate.** Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operating refining capacity of the units.

**Other Hydrocarbons.** Materials received by a refinery and consumed as a raw material. Includes hydrogen, coal tar derivatives and gilsonite. Excludes natural gas used for fuel or hydrogen feedstock.

**Other Oils Equal To or Greater Than 401° F.** See *Petrochemical Feedstocks*.

**Other Oxygenates.** Other aliphatic alcohols and aliphatic ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

**Oxygenated Gasoline.** See *Motor Gasoline (Finished)*.

**Oxygenates.** Substances which, when added to gasoline, increase the amount of oxygen in that gasoline blend. Fuel Ethanol, Methyl Tertiary Butyl Ether (MTBE), Ethyl Tertiary Butyl Ether (ETBE), and methanol are common oxygenates.

**Fuel Ethanol.** Blends of up to 10 percent by volume anhydrous ethanol (200 proof) (commonly referred to as the “gasohol waiver”).

**Methanol.** Blends of methanol and gasoline-grade tertiary butyl alcohol (GTBA) such that the total oxygen content does not exceed 3.5 percent by weight and the ratio of methanol to GTBA is less than or equal to 1. It is also specified that this blended fuel must meet ASTM volatility specifications (commonly referred to as the “ARCO” waiver).

Blends of up to 5.0 percent by volume methanol with a minimum of 2.5 percent by volume cosolvent alcohols having a carbon number of 4 or less (i.e., ethanol, propanol, butanol, and/or GTBA). The total oxygen must not exceed 3.7 percent by weight, and the blend must meet ASTM volatility specifications as well as phase separation and alcohol purity specifications (commonly referred to as the “DuPont” waiver).

**MTBE (Methyl tertiary butyl ether).** Blends up to 15.0 percent by volume MTBE which must meet the ASTM D4814 specifications. Blenders must take precautions that

the blends are not used as base gasolines for other oxygenated blends (commonly referred to as the “Sun” waiver).

**Pentanes Plus.** A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline, and plant condensate.

**Persian Gulf.** The countries that comprise the Persian Gulf are: Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates.

**Petrochemical Feedstocks.** Chemical feedstocks derived from petroleum principally for the manufacture of chemicals, synthetic rubber, and a variety of plastics. The categories reported are “Naphtha Less Than 401° F” and “Other Oils Equal To or Greater Than 401° F.”

**Naphtha Less Than 401° F.** A naphtha with a boiling range of less than 401 degrees Fahrenheit that is intended for use as a petrochemical feedstock.

**Other Oils Equal To or Greater Than 401° F.** Oils with a boiling range equal to or greater than 401 degrees Fahrenheit that are intended for use as a petrochemical feedstock.

**Petroleum Administration for Defense (PAD) Districts.** Geographic aggregations of the 50 States and the District of Columbia into five districts by the Petroleum Administration for Defense in 1950. These districts were originally defined during World War II for purposes of administering oil allocation.

**Petroleum Coke.** A residue high in carbon content and low in hydrogen that is the final product of thermal decomposition in the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion is 5 barrels (of 42 U.S. gallons each) per short ton. Coke from petroleum has a heating value of 6.024 million Btu per barrel.

**Catalyst Coke.** In many catalytic operations (e.g., catalytic cracking) carbon is deposited on the catalyst, thus deactivating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the refining process. This carbon or coke is not recoverable in a concentrated form.

**Marketable Coke.** Those grades of coke produced in delayed or fluid cokers which may be recovered as relatively pure carbon. This “green” coke may be sold as is or further purified by calcining.

**Petroleum Products.** Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

**Pipeline (Petroleum).** Crude oil and product pipelines used to transport crude oil and petroleum products respectively, (including interstate, intrastate, and intracompany pipelines) within the 50 States and the District of Columbia.

**Plant Condensate.** One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

**Processing Gain.** The volumetric amount by which total output is greater than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a lower specific gravity than the crude oil processed.

**Processing Loss.** The volumetric amount by which total refinery output is less than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a higher specific gravity than the crude oil processed.

**Product Supplied, Crude Oil.** Crude oil burned on leases and by pipelines as fuel.

**Production Capacity.** The maximum amount of product that can be produced from processing facilities.

**Products Supplied.** Approximately represents consumption of petroleum products because it measures the disappearance of these products from primary sources, i.e., refineries, natural gas processing plants, blending plants, pipelines, and bulk terminals. In general, product supplied of each product in any given period is computed as follows: field production, plus refinery production, plus imports, plus unaccounted for crude oil, (plus net receipts when calculated on a PAD District basis), minus stock change, minus crude oil losses, minus refinery inputs, minus exports.

**Propane ( $C_3H_8$ ).** A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 43.67 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams. It includes all products designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial propane and HD-5 propane.

**Propylene ( $C_3H_6$ ).** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

**Propylene ( $C_3H_6$ ) (nonfuel use).** Propylene that is intended for use in nonfuel applications such as petrochemical manufacturing. Nonfuel use propylene includes chemical-grade propylene, polymer-grade propylene, and trace amounts of propane. Nonfuel use propylene also includes the propylene component of propane/propylene mixes where the propylene will be separated from the mix in a propane/propylene splitting process. Excluded is the propylene component of propane/propylene mixes where the propylene component of the mix is intended for sale into the fuel market.

**Refinery.** An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and oxygenates.

**Refinery-Grade Butane.** See *Butane*.

**Refinery Input, Crude Oil.** Total crude oil (domestic plus foreign) input to crude oil distillation units and other refinery processing units (cokers, etc.).

**Refinery Input, Total.** The raw materials and intermediate materials processed at refineries to produce finished petroleum products. They include crude oil, products of natural gas processing plants, unfinished oils, other hydrocarbons and oxygenates, motor gasoline and aviation gasoline blending components and finished petroleum products.

**Refinery Production.** Petroleum products produced at a refinery or blending plant. Published production of these products equals refinery production minus refinery input. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month. Refinery production of unfinished oils, and motor and aviation gasoline blending components appear on a net basis under refinery input.

**Refinery Yield.** Refinery yield (expressed as a percentage) represents the percent of finished product produced from input of crude oil and net input of unfinished oils. It is calculated by dividing the sum of crude oil and net unfinished input into the individual net production of finished products. Before calculating the yield for finished motor gasoline, the input of natural gas liquids, other hydrocarbons and oxygenates, and net input of motor gasoline blending components must be subtracted from the net production of finished motor gasoline. Before calculating the yield for finished aviation gasoline, input of aviation gasoline blending components must be subtracted from the net production of finished aviation gasoline.

**Reformulated Blendstock for Oxygenate Blending (RBOB).** See *Motor Gasoline Blending Components*.

**Reformulated Gasoline.** See *Motor Gasoline (Finished)*.

**Renewable Fuels (Other).** Fuels and fuel blending components, except biomass-based diesel fuel, renewable diesel fuel, and fuel ethanol, produced from renewable biomass.

**Residual Fuel Oil.** A general classification for the heavier oils, known as No. 5 and No. 6 fuel oils, that remain after the distillate fuel oils and lighter hydrocarbons are distilled away in refinery operations. It conforms to ASTM Specifications D 396 and D 975 and Federal Specification VV-F-815C. No. 5, a residual fuel oil of medium viscosity, is also known as Navy Special and is defined in Military Specification MIL-F-859E, including Amendment 2 (NATO Symbol F-770). It is used in steam-powered vessels in government service and inshore power plants. No. 6 fuel oil includes Bunker C fuel oil and is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

**Residuum.** Residue from crude oil after distilling off all but the heaviest components, with a boiling range greater than 1000 degrees Fahrenheit.

**Road Oil.** Any heavy petroleum oil, including residual asphaltic oil used as a dust palliative and surface treatment on roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most viscous.

**Shell Storage Capacity.** The design capacity of a petroleum storage tank which is always greater than or equal to working storage capacity. Special Naphthas. All finished products within the naphtha boiling range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point. Special naphthas include all commercial hexane and cleaning solvents conforming to ASTM Specification D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline, or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks are excluded.

**Steam (Purchased).** Steam, purchased for use by a refinery, that was not generated from within the refinery complex.

**Still Gas (Refinery Gas).** Any form or mixture of gases produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc. Still gas is used as a refinery fuel and a petrochemical feedstock. The conversion factor is 6 million BTU's per fuel oil equivalent barrel.

**Stock Change.** The difference between stocks at the beginning of the reporting period and stocks at the end of the reporting period. Note: A negative number indicates a decrease (i.e., a drawdown) in stocks and a positive number indicates an increase (i.e., a buildup) in stocks during the reporting period.

**Strategic Petroleum Reserve (SPR).** Petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

**Sulfur.** A yellowish nonmetallic element, sometimes known as "brimstone." It is present at various levels of concentration in many fossil fuels whose combustion releases sulfur compounds that are considered harmful to the environment. Some of the most commonly used fossil fuels are categorized according to their sulfur content, with lower sulfur fuels usually selling at a higher price. Note: No. 2 Distillate fuel is currently reported as having either a 0.05 percent or lower sulfur level for on-highway vehicle use or a greater than 0.05 percent sulfur level for off-highway use, home heating oil, and commercial and industrial uses. Residual fuel, regardless of use, is classified as having either no more than 1 percent sulfur or greater than 1 percent sulfur. Coal is also classified as being low-sulfur at concentrations of 1 percent or less or high-sulfur at concentrations greater than 1 percent.

**Supply.** The components of petroleum supply are field production, refinery production, imports, and net receipts when calculated on a PAD District basis.

**TAME (Tertiary amyl methyl ether)  $(CH_3)_2(C_2H_5)COCH_3$ .** An oxygenate blend stock formed by the catalytic etherification of isoamylene with methanol.

**Tank Farm.** An installation used by gathering and trunk pipeline companies, crude oil producers, and terminal operators (except refineries) to store crude oil.

**Tanker and Barge.** Vessels that transport crude oil or petroleum products. Data are reported for movements between PAD Districts; from a PAD District to the Panama Canal; or from the Panama Canal

to a PAD District.

**TBA (Tertiary butyl alcohol)  $(CH_3)_3COH$ .** An alcohol primarily used as a chemical feedstock, a solvent or feedstock for isobutylene production for MTBE; produced as a co-product of propylene oxide production or by direct hydration of isobutylene.

**Thermal Cracking.** A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking includes gas oil, visbreaking, fluid coking, delayed coking, and other thermal cracking processes (e.g., flexicoking). See individual categories for definition.

**Toluene  $(C_6H_5CH_3)$ .** Colorless liquid of the aromatic group of petroleum hydrocarbons, made by the catalytic reforming of petroleum naphthas containing methyl cyclohexane. A high-octane gasoline-blending agent, solvent, and chemical intermediate, base for TNT.

**Ultra-Low Sulfur Distillate Fuel Oil.** Distillate fuel oil having sulfur content of 15 ppm or lower. Ultra-low sulfur distillate fuel oil that will be shipped by pipeline must satisfy the sulfur specification of the shipping pipeline if the pipeline specification is below 15 ppm. Distillate fuel oil intended for pipeline shipment that fails to meet a pipeline sulfur specification that is below 15 ppm will be classified as low-sulfur distillate fuel oil.

**Unaccounted for Crude Oil.** Represents the arithmetic difference between the calculated supply and the calculated disposition of crude oil. The calculated supply is the sum of crude oil production plus imports minus changes in crude oil stocks. The calculated disposition of crude oil is the sum of crude oil input to refineries, crude oil exports, crude oil burned as fuel, and crude oil losses.

**Unfinished Oils.** All oils requiring further processing, except those requiring only mechanical blending. Unfinished oils are produced by partial refining of crude oil and include naphthas and lighter oils, kerosene and light gas oils, heavy gas oils, and residuum.

**Unfractionated Streams.** Mixtures of unsegregated natural gas liquid components excluding those in plant condensate. This product is extracted from natural gas.

**United States.** The United States is defined as the 50 States and the District of Columbia.

**Vacuum Distillation.** Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock.

**Visbreaking.** A thermal cracking process in which heavy atmospheric or vacuum-still bottoms are cracked at moderate temperatures to increase production of distillate products and reduce viscosity of the distillation residues.

**Wax.** A solid or semi-solid material at 77 degrees Fahrenheit consisting of a mixture of hydrocarbons obtained or derived from petroleum fractions, or through a Fischer-Tropsch type process, in which the straight-chained paraffin series predominates. This includes all marketable wax, whether crude or refined, with a congealing point

(ASTM D 938) between 80 (or 85) and 240 degrees Fahrenheit and a maximum oil content (ASTM D 3235) of 50 weight percent.

**Working Storage Capacity.** The difference in volume between the maximum safe fill capacity and the quantity below which pump suction is ineffective (bottoms).

**Xylene ( $C_6H_4(CH_3)_2$ ).** Colorless liquid of the aromatic group of hydrocarbons made the catalytic reforming of certain naphthenic petroleum fractions. Used as high-octane motor and aviation gasoline blending agents, solvents, chemical intermediates. Isomers are metaxylene, orthoxylene, paraxylene.